=> s l12
L13 16 L12

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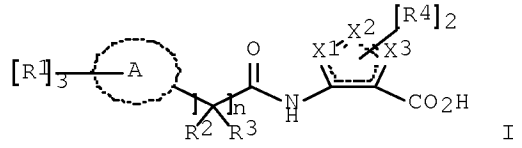
L13 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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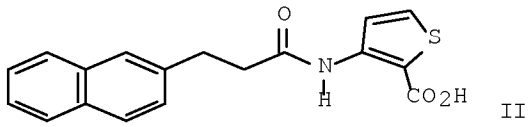


II

AB The title compds. I [one of X1-X3 = S, and the other two represent C or N atoms; ring A = 6-10 membered aryl, 5-13 membered heteroaryl or partially aromatic heterocyclyl; R1 = H, halo, OH, CO2H, etc.; R2, R3 = H, alkyl, haloalkyl, etc.; n = 2-4; R4 = H, halo, S(alkyl), CN, etc.], that are useful for treating atherosclerosis, dyslipidemias and the like, were prepared and disclosed. E.g., a multi-step synthesis of II, starting from 3-(2-naphthyl)acrylic acid, was given. Compds. I generally have an IC50 in the 3H-nicotinic acid competition binding assay within the range of 1 nM to about 25 μM. Also compds. I generally have an EC50 in the functional in vitro GTPγS binding assay within the range of about less than 1 μM to as high as about 100 μM. Pharmaceutical compns. comprising the compound I alone or in combination with DP receptor antagonist, are also included.

AN 2007:1204726 CAPLUS Full-text

DN 147:486319

TI Preparation of N-(2-carboxythienyl) amides as niacin receptor agonists

IN Colletti, Steven L.; Tata, James R.; Chen, Weichun; Beresis, Richard T.; Ding, Fa-Xiang; Schmidt, Darby Rye; Shen, Hong; Raghavan, Subharekha

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 58pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007120575	A2	20071025	WO 2007-US8584	20070406

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

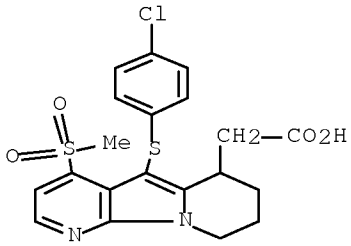
US 2006-791019P P 20060411

OS MARPAT 147:486319

IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-drug; preparation of N-(2-carboxythienyl) amides as niacin receptor agonists)

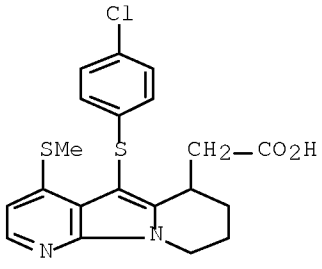
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



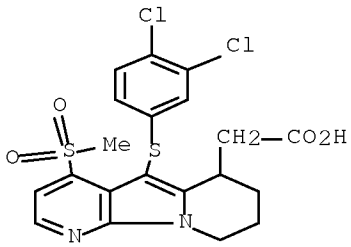
RN 688356-89-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)

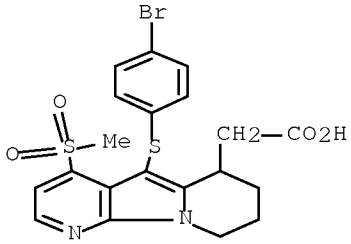


RN 688356-90-3 CAPLUS

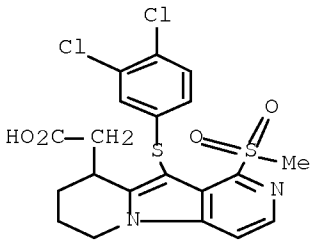
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



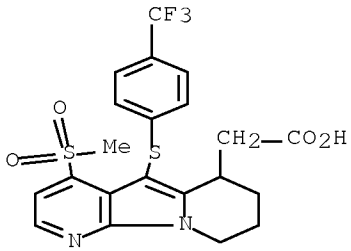
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



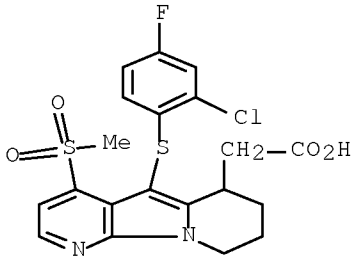
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



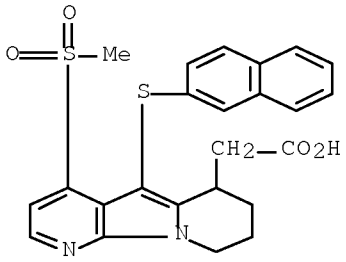
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



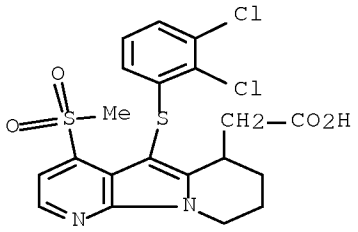
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



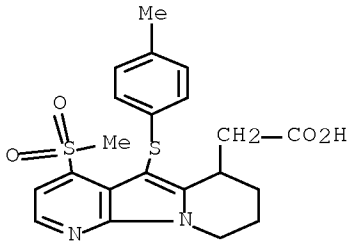
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



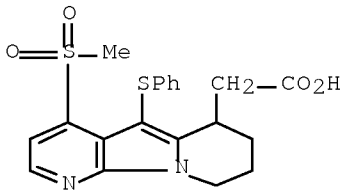
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



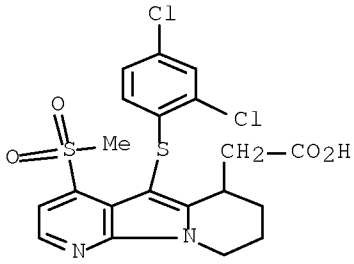
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



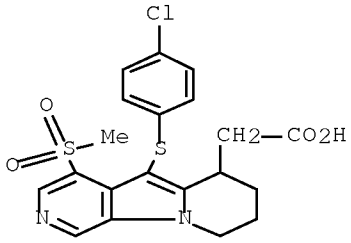
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

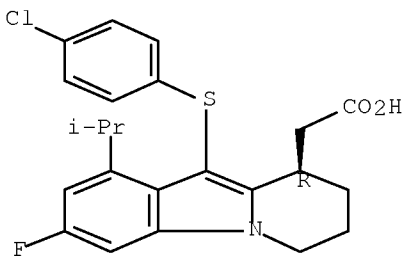


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [X = C or N; Z = (un)substituted aryl or heteroaryl; R1 independently = H, halo, CO2H, CN, etc.; R2 and R3 independently = H, alkyl, haloalkyl, alkoxy, etc.; R4 = H, F, or (un)substituted alkyl; R5 = CO2H, tetrazole, or CONHSO2R6 wherein R6 = (un)substituted alkyl or phenyl; m and p = 1 or 2 such that their sum = 3; n = 2-4; A = 6-10 membered], as well as their pharmaceutically acceptable salts are prepared and disclosed as useful for treating atherosclerosis, dyslipidemias and the like. Thus, e.g., II was prepared by conversion of 3-(4- bromophenyl)propionic acid to the amide with N-hydroxysuccinimide followed by reaction with triflate III to form the 4-bromophenylpropionamide derivative which was coupled with 4-hydroxyphenylboronic acid and hydrolyzed to give the desired product. In the 3H-nicotinic acid competition binding assay, I demonstrated IC50 values ranging from 1 nM to about 25 μM. Pharmaceutical compns. and methods of use are also included.
AN 2007:912171 CAPLUS Full-text
DN 147:277179
TI Preparation of carboxamidocyclohexenylcarboxylic acids derivatives as niacin receptor agonists, compositions containing such compounds and methods of treatment
IN Raghavan, Subharekha; Schmidt, Darby Rye; Colletti, Steven L.; Smenton, Abigail Lee
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 96pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007092364	A2	20070816	WO 2007-US2994	20070202

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

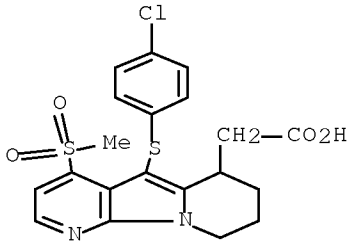
US 2006-765853P P 20060207

OS MARPAT 147:277179

IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(claimed co-drugs for administration; preparation of cyclohexylcarboxylates as niacin receptor agonists)

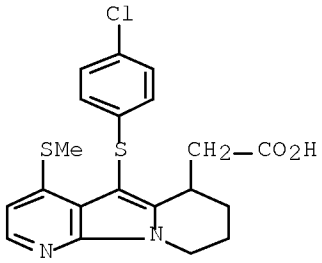
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



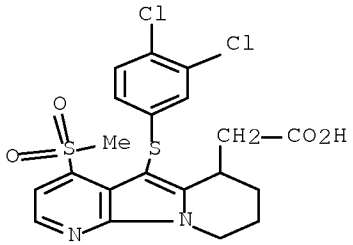
RN 688356-89-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)

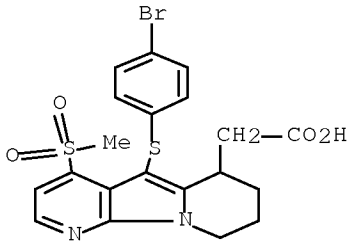


RN 688356-90-3 CAPLUS

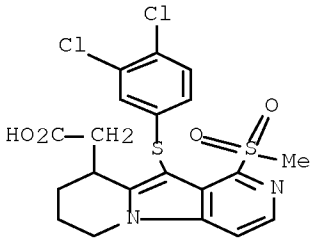
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



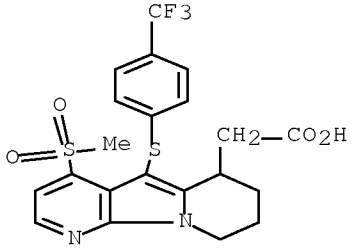
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



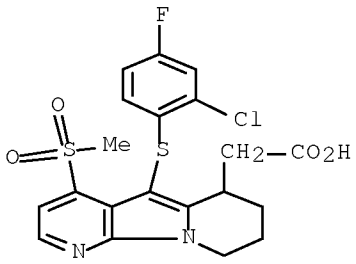
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



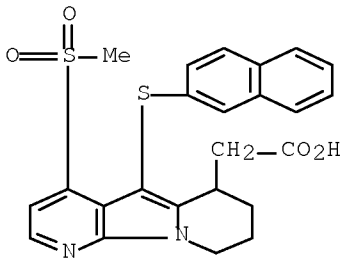
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



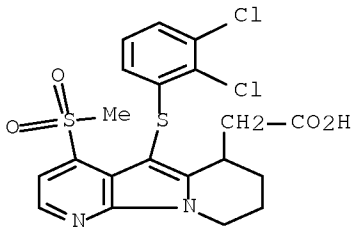
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-12-2 CAPLUS
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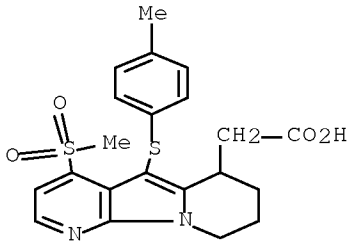
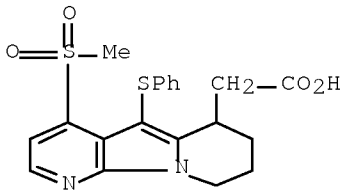
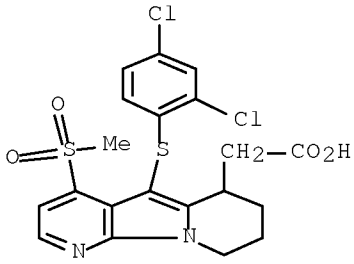


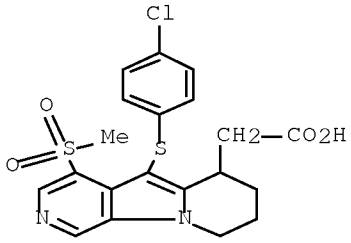
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

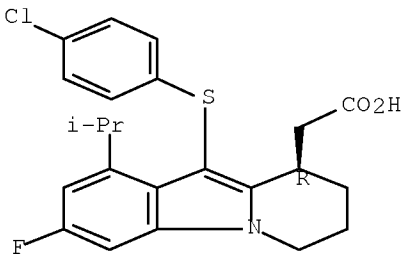


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

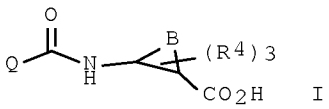


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 3 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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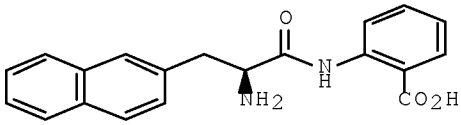


II

AB Title compds. [I; Q = (R1)3A[C(Ra)2]xCRb(NR2R3)(CHRc)y; A = aryl, heteroaryl; B = atoms to form Ph, thienyl, cyclohexenyl ring; R1 = H, halo, OH, CO2H, cyano, NH2, CORe, aminoalkyl, CONH2, (substituted) Ph, heteroaryl, etc.; Re = (substituted) alkyl, Ph; Ra, Rb, RC = H, alkyl, haloalkyl; R2, R3 = H, alkyl, haloalkyl; R4 = H, halo, (substituted) alkyl, aryl, heteroaryl, heterocyclyl, etc.; 1 of x, y = 0, the other = 1], were prepared Thus, N-(tert-butoxycarbonyl)-3-(2-naphthyl)-L-alanine in CH2Cl2 at -10° was treated with DCC, HOBT, and Et 2-aminobenzoate followed by stirring for 12-24 h to give a residue which was treated with KOH in THF/MeOH/H2O and then with CF3CO2H in CH2Cl2 to give title compound (II). I in the functional in vitro GTPγS binding assay showed EC50 values of about 1-100 μM.
AN 2007:728973 CAPLUS Full-text
DN 147:143658
TI Preparation of (hetero)aryl amino acid amides as niacin receptor agonists for treatment of atherosclerosis, dyslipidemia, diabetes, and metabolic syndrome.
IN Imbriglio, Jason; Colletti, Steven L.; Tata, James R.; Beresis, Richard T.; Marley, Daria; Raghavan, Subharekha; Schmidt, Darby Rye; Lins, Ashley Rouse; Smenton, Abigail L.; Chen, Weichun; Shen, Hong; Ding, Fa-Xiang; Bodner, Rena
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 78pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

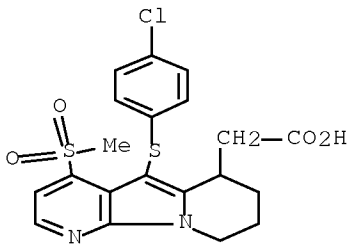
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007075749	A2	20070705	WO 2006-US48535	20061220
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
				US 2005-751877P	P 20051220

OS MARPAT 147:143658

IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coadministration; preparation of (hetero)aryl amino acid amides as niacin receptor agonists for treatment of atherosclerosis, dyslipidemia, diabetes, and metabolic syndrome)

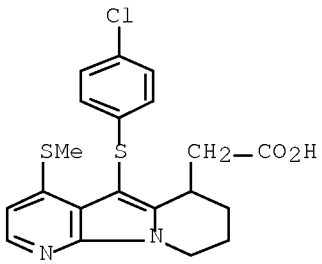
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

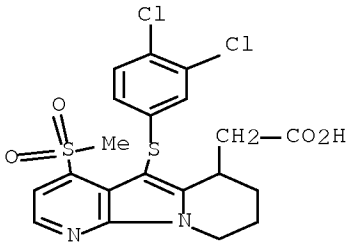


RN 688356-89-0 CAPLUS

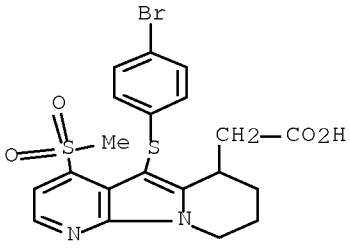
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



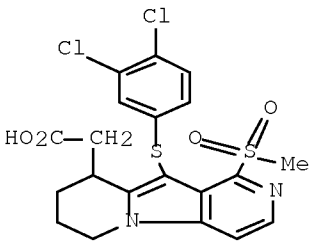
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



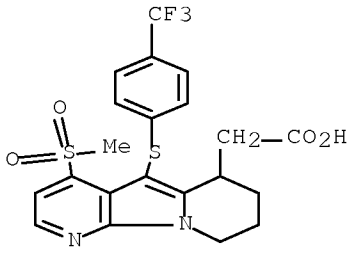
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



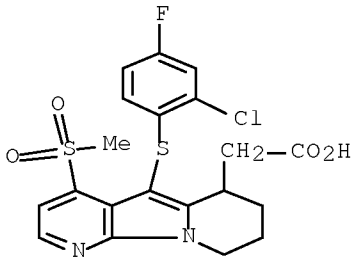
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



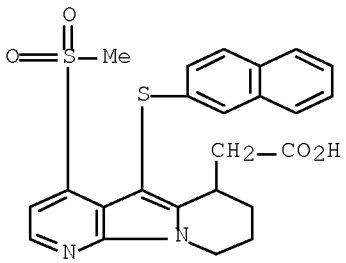
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



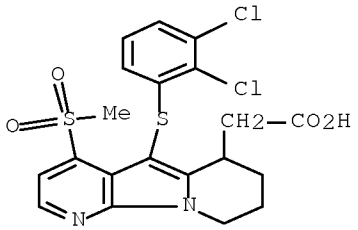
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



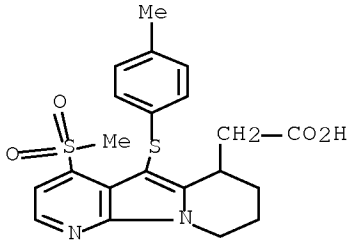
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



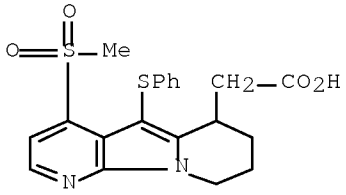
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



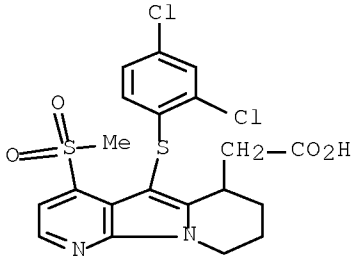
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



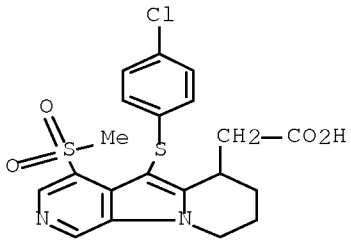
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

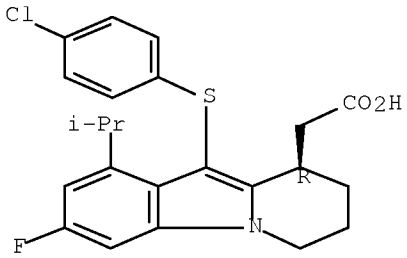


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

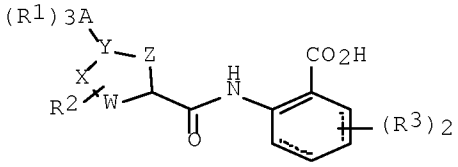


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 4 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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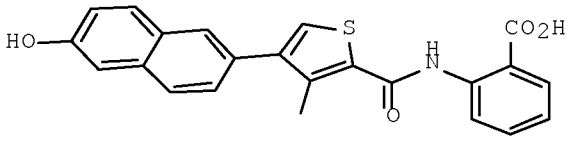

II

AB Title compds. [I; 1-3 of W, X, Z = heteroatoms, the other = C; Y = C, N; 0-1 of W, X, Z = O, S, the remainder of W, X, Z = C, N; ring containing W, X, Y, Z is aromatic; A = 9-10 membered aryl, 8-10 membered heteroaryl, partially aromatic heterocyclyl; R1 = H, OH, halo, cyano, (substituted) alkyl, alkenyl, alkynyl, etc.; R2 = H, (substituted) alkyl, alkenyl; R3 = H, halo, Me, halomethyl; dotted lines = optional double bonds, either both present or both absent], were prepared Thus, title compound (II) was prepared from 4-bromo-3-methylthiophene-2-carboxylic acid, 6-hydroxy-2-naphthylboronic acid, and anthranilic acid. In a 3H-nicotinic acid competition binding assay, I showed IC50's of about 10 nM-25 μM.

AN 2007:351935 CAPLUS Full-text

DN 146:379811

TI Preparation of heterocyclylcarbonylaminobenzoic acids as niacin receptor agonists

IN Colletti, Steven L.; Imbriglio, Jason E.; Beresis, Richard Thomas; Frie, Jessica Leslie

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 54pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007035478	A2	20070329	WO 2006-US36023	20060915
WO 2007035478	A3	20071122		

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

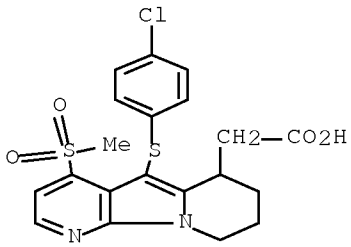
			US 2005-718622P	P 20050920
AU 2006292559	A1	20070329	AU 2006-292559	20060915
			US 2005-718622P	P 20050920
			WO 2006-US36023	W 20060915

OS MARPAT 146:379811

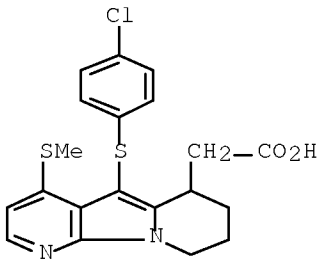
IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(coadministration; preparation of heterocyclylcarbonylaminobenzoic acids as niacin receptor agonists)

RN 688356-71-0 CAPLUS

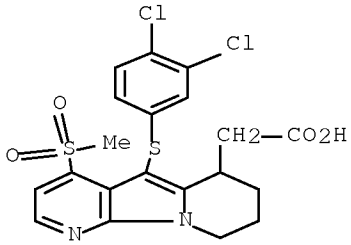
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



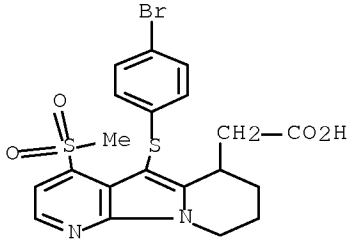
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



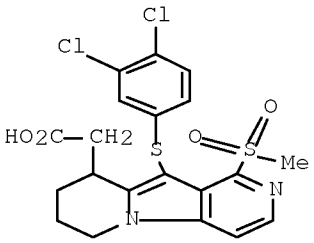
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



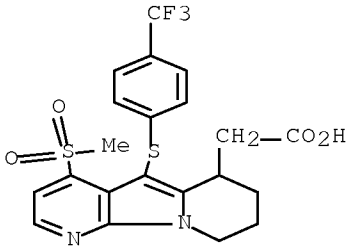
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



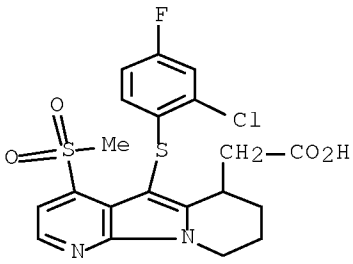
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



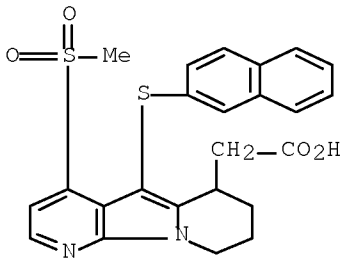
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



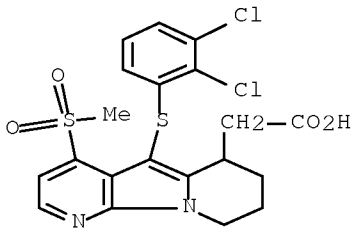
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-12-2 CAPLUS
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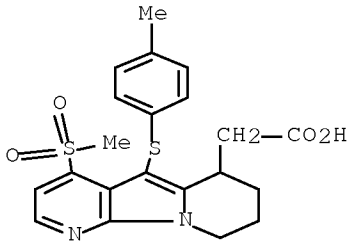
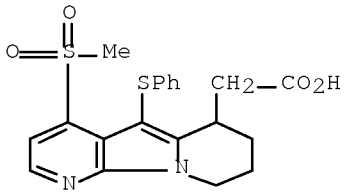
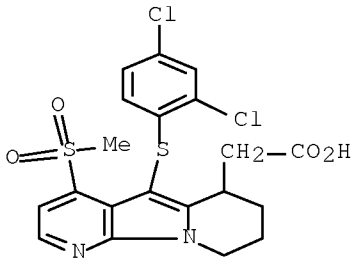


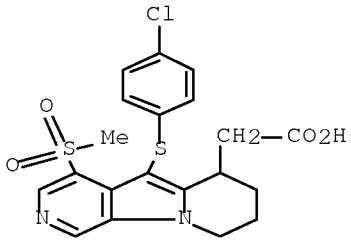
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

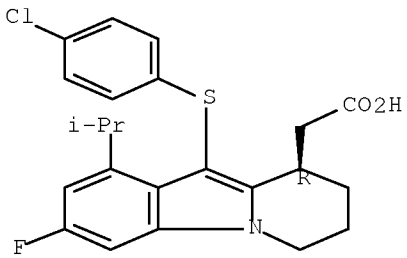


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

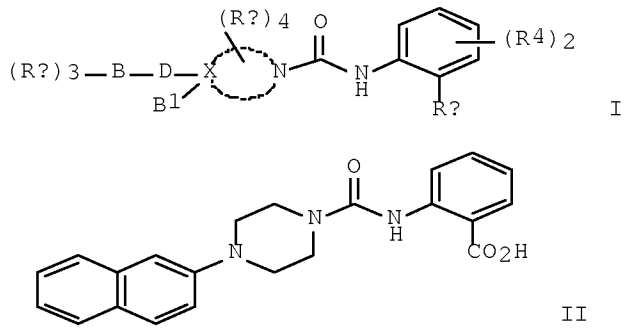


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 5 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



I

II

AB Title compds. I [wherein X = C or N; D = bond, O, CH2, CH2CH2 or CH2CH2CH2; B = (hetero)aryl; B' = H or absent; B and B' can be taken together to form a spiro ring while D = bond; Ra = H, halo, OH, etc.; Rb = H, halo, alkyl, etc.; Rc = COOH or tetrazol-5-yl; R4 = H, halo or (halo)methyl, with limitations] or pharmaceutically acceptable salts and solvates were prepared as niacin receptor agonists. Solid-phase synthesis of I such as II on Wang resin was disclosed. The invented compds. generally have EC50 in the range of 1 μM to 100 μM for niacin receptor in the binding assay. I are useful for the treatment of atherosclerosis, dyslipidemia, diabetes and other conditions.

AN 2007:259556 CAPLUS Full-text

DN 146:316951

TI Preparation of piperazinecarboxamides, diazepanecarboxamides and their analogs as niacin receptor agonists for the treatment of atherosclerosis, dyslipidemia and diabetes

IN Colletti, Steven L.; Shen, Hong; Tata, James R.; Szymonifka, Michael J.

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 55pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007027532	A2	20070308	WO 2006-US33304	20060825
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
			US 2005-712275P P	20050829
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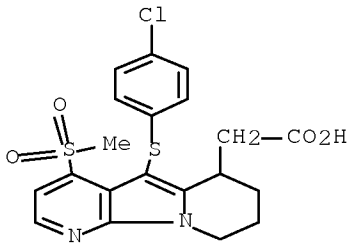
			WO 2006-US33304 W	20060825
CA 2620570	A1	20070308	CA 2006-2620570	20060825
			US 2005-712275P P	20050829
			WO 2006-US33304 W	20060825

OS MARPAT 146:316951

IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-drug; preparation of piperazinecarboxamides, diazepanecarboxamides and their analogs as niacin receptor agonists for treatment of atherosclerosis, dyslipidemia and diabetes)

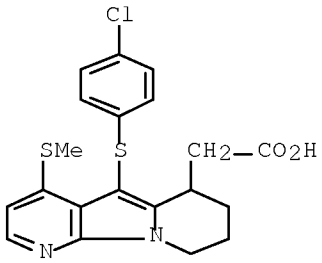
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



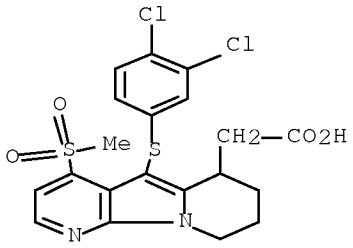
RN 688356-89-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)

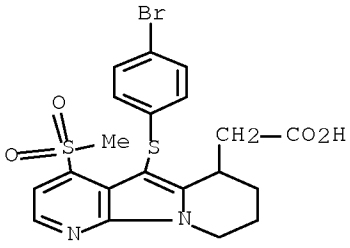


RN 688356-90-3 CAPLUS

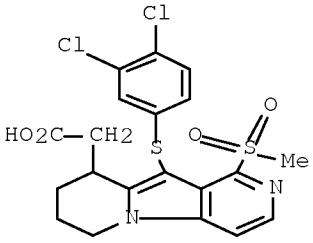
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



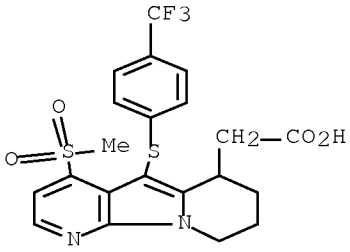
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



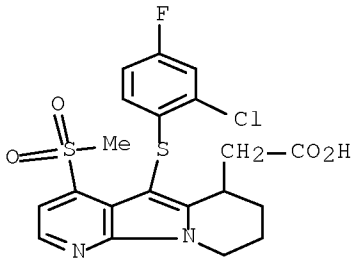
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



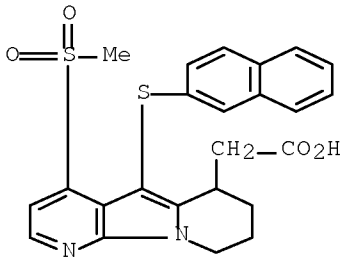
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



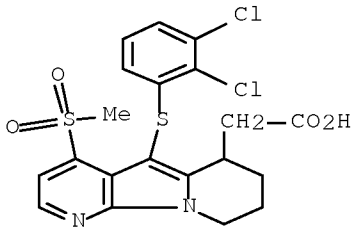
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



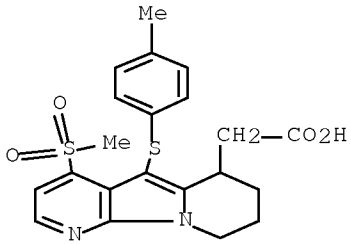
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



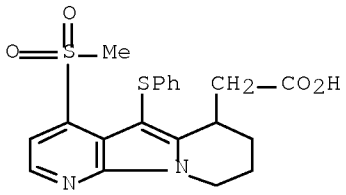
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



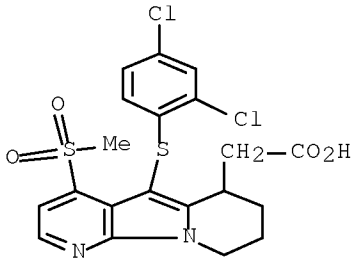
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



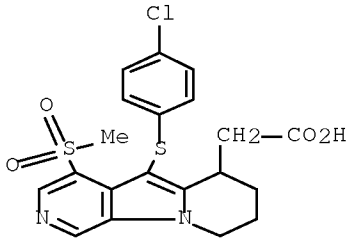
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

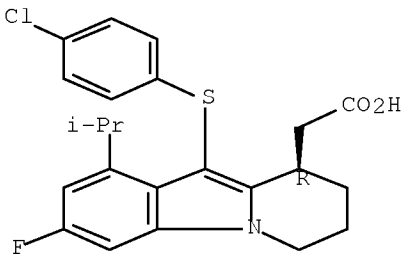


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

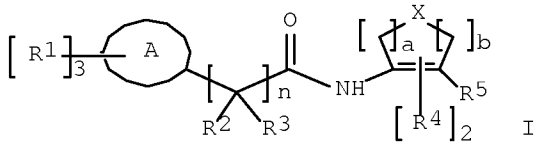


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 6 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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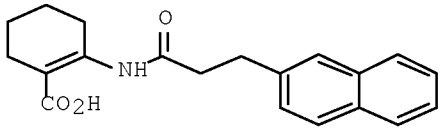

II

AB Title compds. I [X = CH2, O, S, etc.; a, b = 1-3 such as a + b = 2-4; ring A = aryl, heteroaryl, partially aromatic heterocyclic group, said heteroaryl and partially aromatic heterocyclic group containing at least one heteroatom selected from O, S, SO, etc., and optionally containing 1 other heteroatom selected from O and S, and optionally containing 1-3 addnl. N atoms, with up to 5 heteroatoms being present; R2, R3 = H, alkyl, haloalkyl, etc.; n = 1-5; R4 = H, halo, R6; R6 = alkyl optionally substituted with 1-3 groups, 0-3 of which are halo, and 0-1 of which are selected from the group consisting of O-alkyl, hydroxy, amino, etc.; R5 = -CO2H, tetrazol-5-yl, etc.; R1 = H, halo, hydroxy, etc.], pharmaceutically acceptable salts or solvates thereof were prepared For example, reaction of 3-(naphthalen-2-yl)propionic acid with methanesulfonyl chloride followed by in-situ treatment with Me 2-aminocyclohex-2-ene-1-carboxylate and hydrolysis using NaOH afforded compound II. The invented compds. generally have an IC50 in the 3H-nicotinic acid competition binding assays within the range of 1 nM to about 25 μM, and have an EC50 in the functional in vitro GTPγS binding assays within the range of about 1-100 μM.

AN 2006:1356948 CAPLUS Full-text
DN 146:100362
TI Preparation of 2-acylaminocycloalkenecarboxylic acids derivatives as niacin receptor agonists
IN Raghavan, Subharekha; Colletti, Steven L.; Ding, Fa-Xiang; Shen, Hong; Tata, James R.; Lins, Ashley Rouse; Smenton, Abigail Lee; Chen, Weichun; Schmidt, Darby Rye; Tria, George Scott
PA USA
SO U.S. Pat. Appl. Publ., 69pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI US 20060293364	A1	20061228	US 2006-474646		20060626
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AU 2006261839	A1	20070104	AU 2006-261839		20060626
			US 2005-694711P	P	20050628
			WO 2006-US24740	W	20060626
CA 2611552	A1	20070104	CA 2006-2611552		20060626
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WO 2007002557	A1	20070104	WO 2006-US24740		20060626
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
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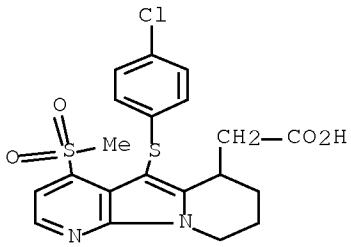
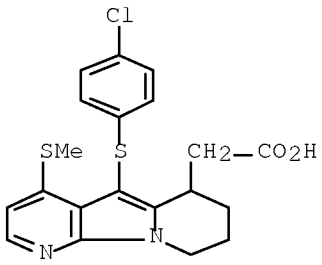
			US 2005-694711P	P	20050628
			WO 2006-US24740	W	20060626
KR 2008019653	A	20080304	KR 2007-730918		20071228
			US 2005-694711P	P	20050628
			WO 2006-US24740	W	20060626

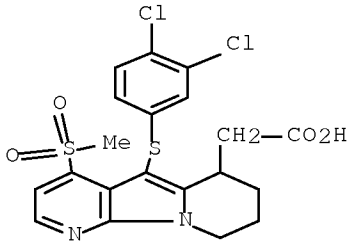
OS MARPAT 146:100362
IT 688356-71-0 688356-89-0 688356-90-3
688356-95-8 688357-06-4 688357-08-6
688357-09-7 688357-10-0 688357-11-1
688357-12-2 688357-13-3 688357-14-4
688357-15-5 794535-37-8
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(medicaments with; preparation of 2-acylaminocycloalkenecarboxylic acids as niacin receptor agonists)
RN 688356-71-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



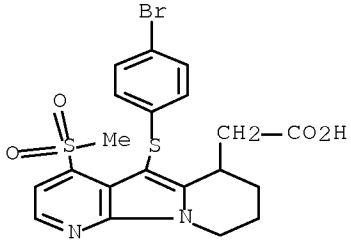
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



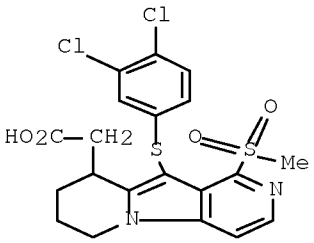
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



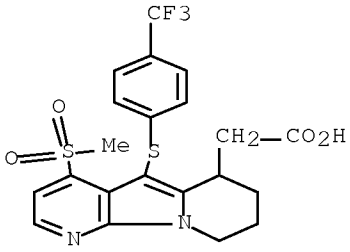
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



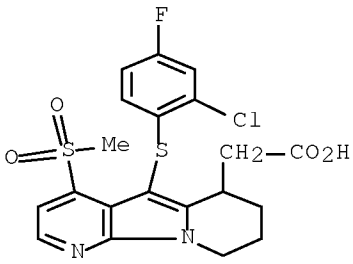
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



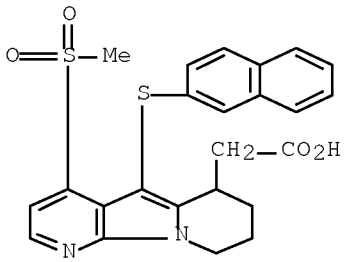
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



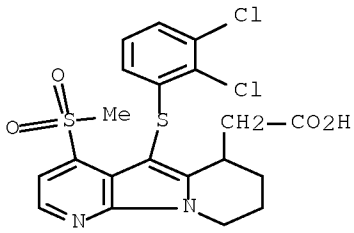
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



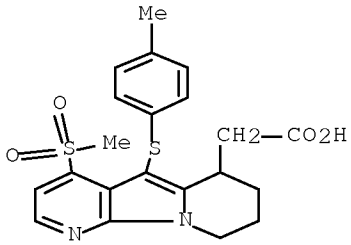
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



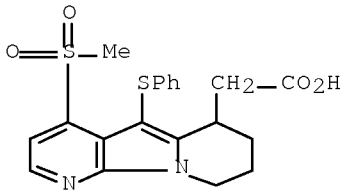
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



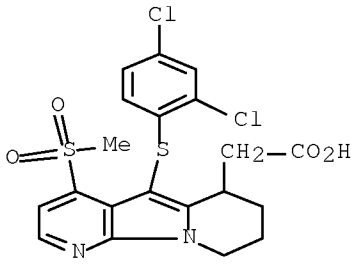
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



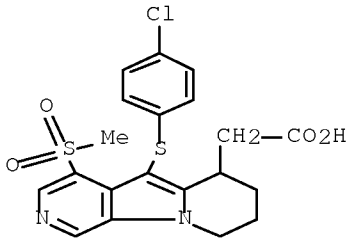
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

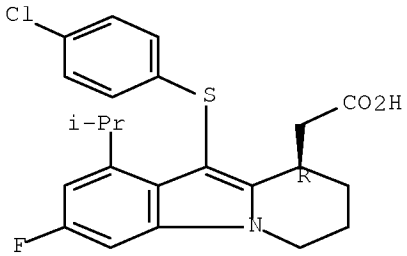


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

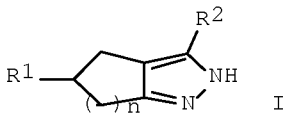


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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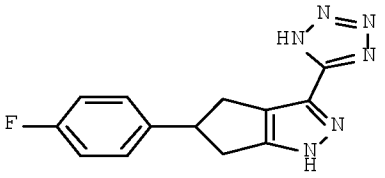

II

AB Title compds. represented by the formula I [wherein R1 = (un)substituted cyclohexyl, Ph or heteroaryl; R2 = tetrazol-5-yl, 2,4-dioxo-oxazol-5-yl or CO2R; R = H or alkyl; n = 1 or 2; and pharmaceutically acceptable salts or solvates thereof] were prepared as Niacin receptor agonists. For example, II was provided in a multi-step synthesis starting from 3-ethoxy cyclopentenone. Certain I an IC50 in the niacin binding assay within the range of about 0.010-50 μM, and have an EC50 in the functional GTPγS binding assay within the range of about 0.010-100 1M. Thus, I and their pharmaceutical compns. are useful as Niacin receptor agonists for the treatment of dyslipidemias (no data).

AN 2006:1124674 CAPLUS Full-text
DN 145:455008

TI Preparation of pyrazole derivatives as Niacin receptor agonists

IN Imbriglio, Jason E.; Colletti, Steven L.; Tata, James R.; Liang, Rui; Raghavan, Subharekha; Schmidt, Darby R.; Smenton, Abigail R.; Chan, Sook Yee
PA Merck & Co., Inc., USA

SO PCT Int. Appl., 83pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2006113150	A1	20061026	WO 2006-US12876		20060407
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			WO 2006-US12876	W	20060407
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EP 1874301	A1	20080109	EP 2006-740649		20060407
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IN 2007CN04216	A	20071221	IN 2007-CN4216		20070924
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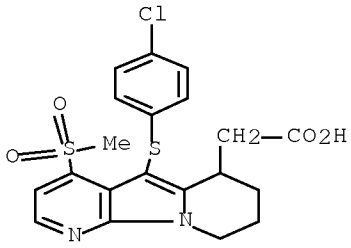
			WO 2006-US12876	W	20060407
CN 101160125	A	20080409	CN 2006-80012066		20071012
			US 2005-670764P	P	20050413
			WO 2006-US12876	W	20060407

OS MARPAT 145:455008

IT 688356-71-0P 688356-89-0P 688356-90-3P
688356-95-8P 688357-06-4P 688357-08-6P
688357-09-7P 688357-10-0P 688357-11-1P
688357-12-2P 688357-13-3P 688357-14-4P
688357-15-5P 794535-37-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazole derivs. as Niacin receptor agonists)

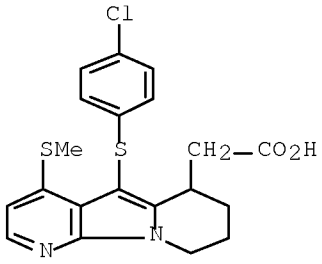
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



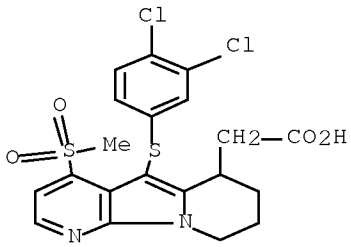
RN 688356-89-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)

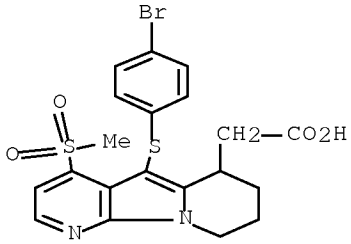


RN 688356-90-3 CAPLUS

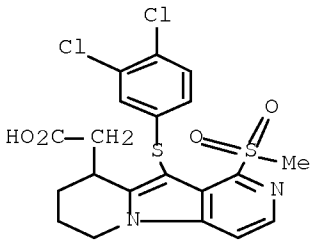
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



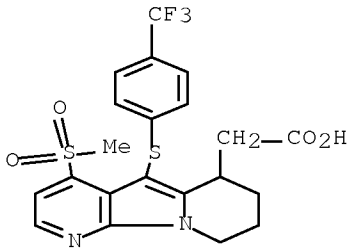
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



RN 688357-09-7 CAPLUS
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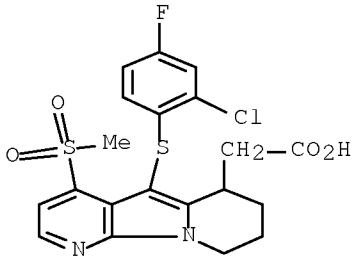
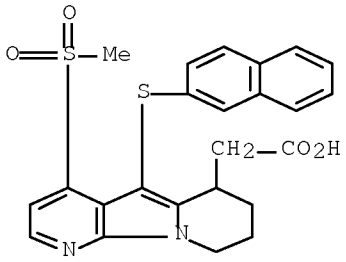


RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



RN 688357-11-1 CAPLUS
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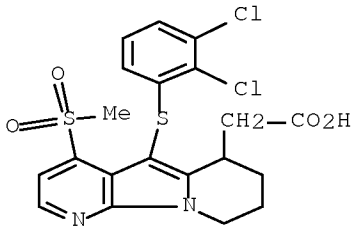

RN 688357-12-2 CAPLUS
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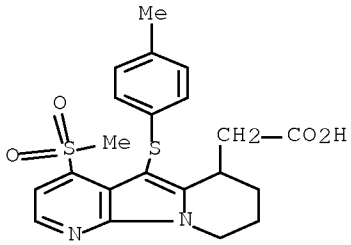
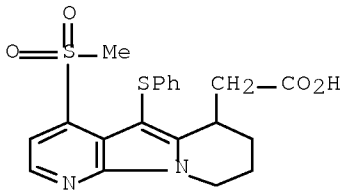
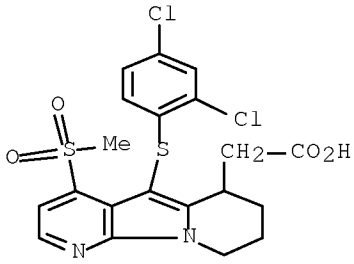


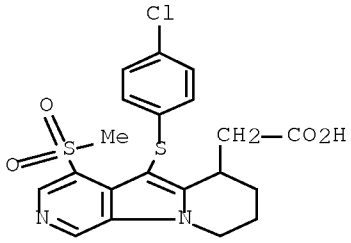
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

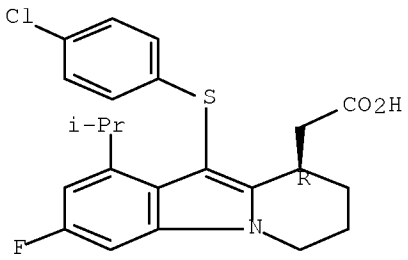


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



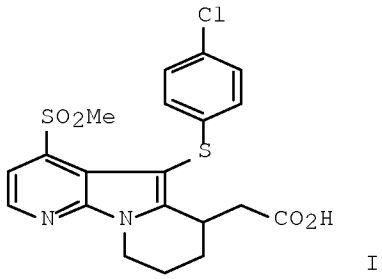
RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



I

AB A method of treating atherosclerosis is disclosed wherein nicotinic acid or another nicotinic acid receptor agonist is administered to the patient in combination with a DP (prostaglandin D2) receptor antagonist. E.g, I was prepared by a series of reactions starting from 4-chloronicotinaldehyde. The compds. prepared function as selective DP antagonists and demonstrate an affinity for DP that is at least about 10 times higher than the affinity for CRTH2 receptors.

AN 2006:844718 CAPLUS Full-text
DN 145:271745
TI Preparation of pyridoindolizine and pyridoindole derivatives for treating atherosclerosis, dyslipidemias and related conditions
IN Fitzpatrick, Shaun; Seiler, Christian; Hardy, Ian; Waters, M., Gerard; Lai, Eseng
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 66pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
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				US 2005-654703P	P	20050217
				WO 2006-US6951	W	20060215
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				US 2005-654703P	P	20050217
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IT 688356-71-0P 688356-89-0P 688356-90-3P
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688357-12-2P 688357-13-3P 688357-14-4P
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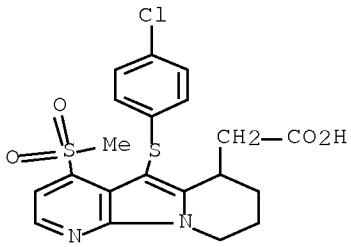
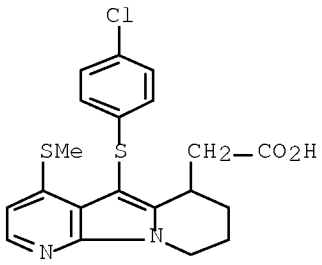
887146-40-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyridoindolizine and pyridoindole derivs for treating atherosclerosis, dyslipidemias and related conditions)

RN 688356-71-0 CAPLUS

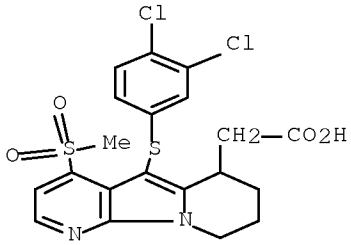
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



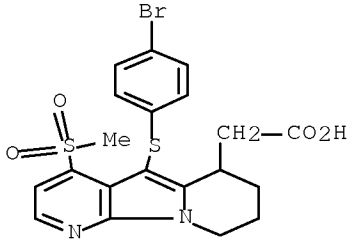
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



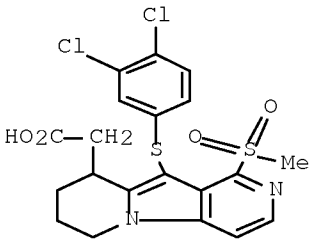
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



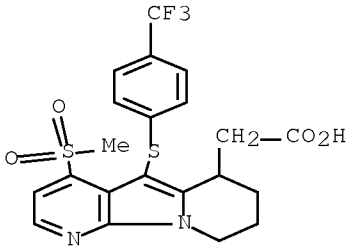
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



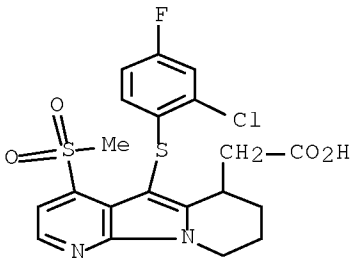
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



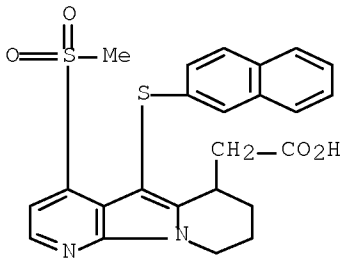
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



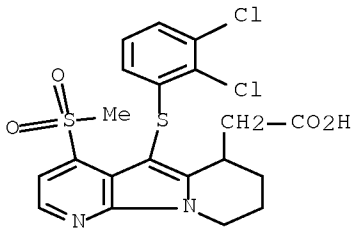
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



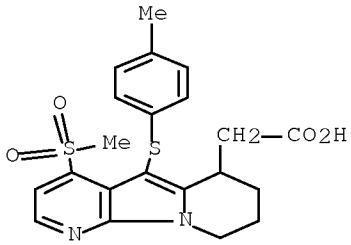
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



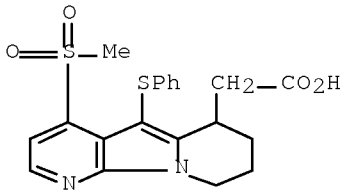
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



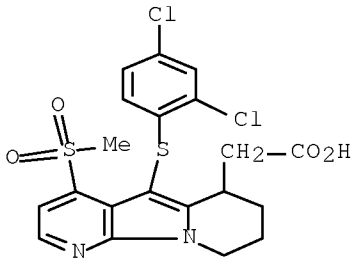
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



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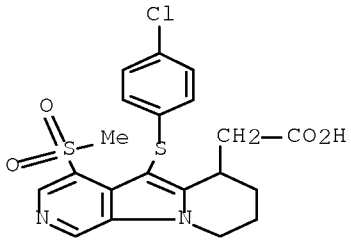
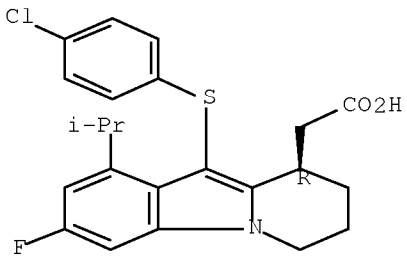
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



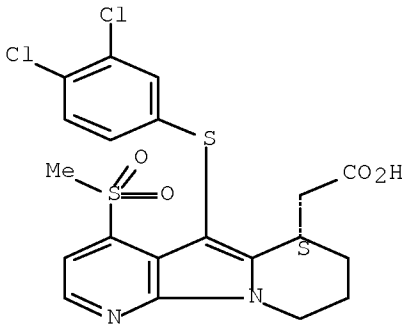
RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



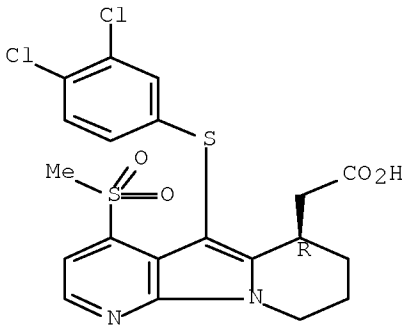
RN 887146-39-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (6S)- (CA INDEX NAME)

Absolute stereochemistry.

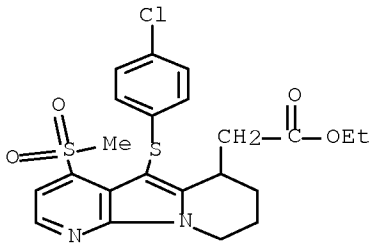


RN 887146-40-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (6R)- (CA INDEX NAME)

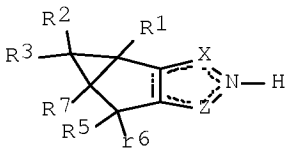
Absolute stereochemistry.



IT 688356-87-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridoindolizine and pyridoindole derivs for treating atherosclerosis, dyslipidemias and related conditions)
RN 688356-87-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, ethyl ester (CA INDEX NAME)



L13 ANSWER 9 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



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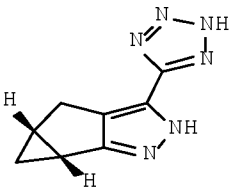

II

AB The invention relates to certain fused pyrazole derivs. of formula I, and pharmaceutically acceptable salts thereof, which exhibit useful pharmacol. properties, for example, as agonists for the RUP25 receptor. Compds. of formula I wherein X is N, and Z is CR7, or X is CR7 and Z is N; one dotted lines are single and double bonds such that the ring containing X and Z is a pyrazole ring; R1 - R6 are independently H, C1-6 acyl(oxy), C2-6 alkenyl, C1-6 alkoxy, C1-6 alkyl(amino), C1-6 alkyl(thio)carboxamide, C2-6 alkynyl, etc.; R7 is carbo-C1-6 alkoxy, carboxy, or tetrazol-5-yl; and their pharmaceutically acceptable salts, hydrates, or solvates thereof are claimed. Also provided by the invention are pharmaceutical compns. containing compds. of the invention, and methods of using the compds. and compns. of the invention in the treatment of metabolic-related disorders, including dyslipidemia, atherosclerosis, coronary heart disease, insulin resistance, type 2 diabetes, Syndrome-X and the like. In addition, the invention also provides for the use of the compds. of the invention in combination with other active agents such as those belonging to the class of α-glucosidase inhibitors, aldose reductase inhibitors, biguanides, HMG-CoA reductase inhibitors, squalene synthesis inhibitors, fibrates, LDL catabolism enhancers, angiotensin converting enzyme (ACE) inhibitors, insulin secretion enhancers, DP receptor antagonists, and the like. Example compound II was prepared by cyclization of (R)-2-(3-butenyl)oxirane; the resulting bicyclo[3.2.1]hexan-2-ol underwent oxidation of give bicyclo[3.2.1]hexane-2-one, which underwent cyclization with di-Et oxalate and hydrazine to give 1a,2,5,5a-tetrahydro-1H-2,3-diazacyclopropa[a]pentalene-4-carboxylic acid Et ester, which underwent amidation with ammonium hydroxide to give the corresponding amide, which benzylation with benzyl bromide followed by dehydration to give 2-benzyl-1a,2,5,5a-tetrahydro-1H-2,3-diazacyclopropa[a]pentalene-4- carbonitrile, which reacted with sodium azide to give 2-Benzyl-4-(2H- tetrazol-5-yl)-1a,2,5,5a-tetrahydro-2,3-diazacyclopropa[a]pentalene, which underwent debenzylation to give example compound II. All the invention compds. were evaluated for their antihyperglycemic activity, and 35S-GTPγS, human RUP25, and 3H-nicotinic acid receptor binding affinities. Certain compds. were determined to have an EC50 value in the cAMP whole cell method of about 25 μM or less. From the in vitro GTPγS binding assay, it was determined that tested compds. exhibited EC50 values in the range of about 1-100 μM, and the best compds. showed an EC50 value of less than about 1 μM. Certain tested compds. have an EC50 in the 3H-nicotinic acid binding competition assay, in the range of 1 to 100 μM , and the most favorable compds. exhibited an EC50 value of less than about 1 μM.

AN 2006:635044 CAPLUS Full-text

DN 145:103670

TI Fused pyrazole derivatives and their preparation, pharmaceutical compositions, and methods for treatment of metabolic-related disorders

IN Boatman, Douglas P.; Schrader, Thomas O.; Semple, Graeme; Skinner, Philip

J.; Jung, Jae-Kyu
PA Arena Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 170 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

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OS MARPAT 145:103670

IT 688356-71-0P 688356-89-0P 688356-90-3P
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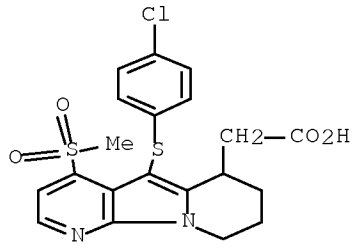
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of fused pyrazole derivs. and methods for treatment of metabolic-related disorders)

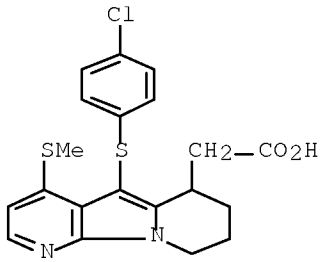
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



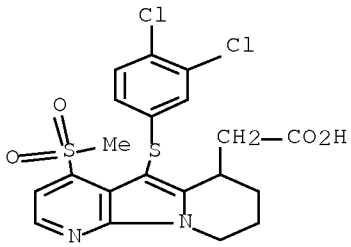
RN 688356-89-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)

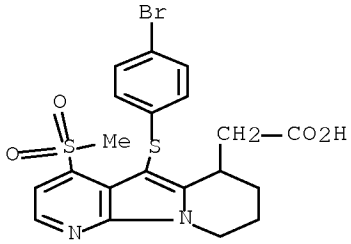


RN 688356-90-3 CAPLUS

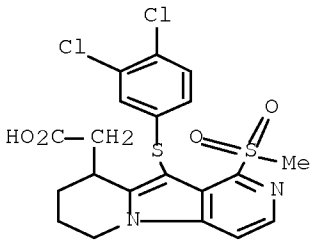
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



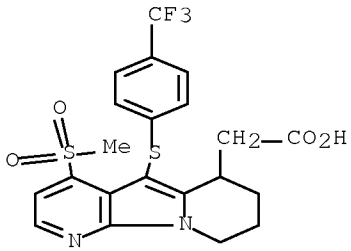
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



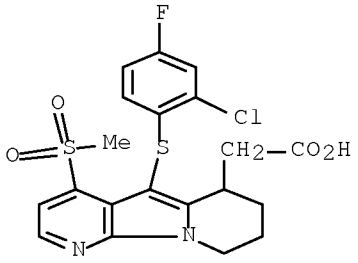
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



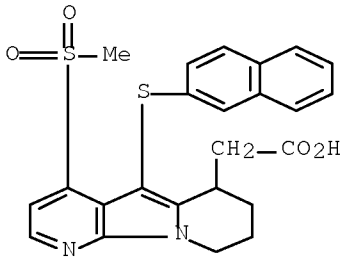
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



RN 688357-11-1 CAPLUS
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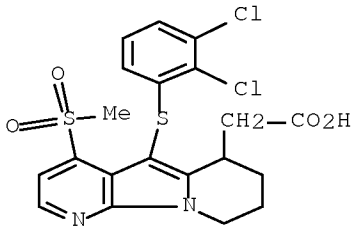

RN 688357-12-2 CAPLUS
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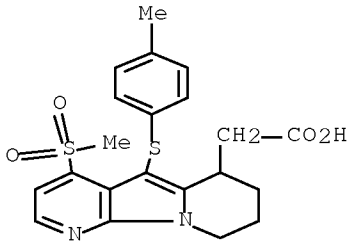
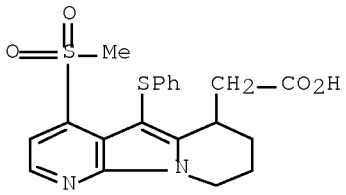
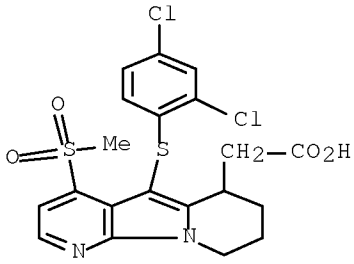


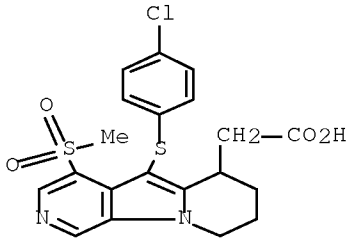
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

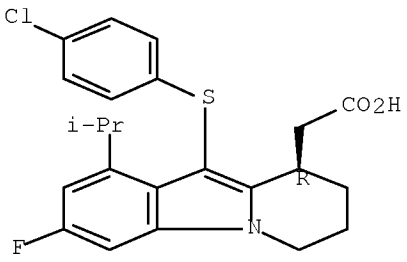


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

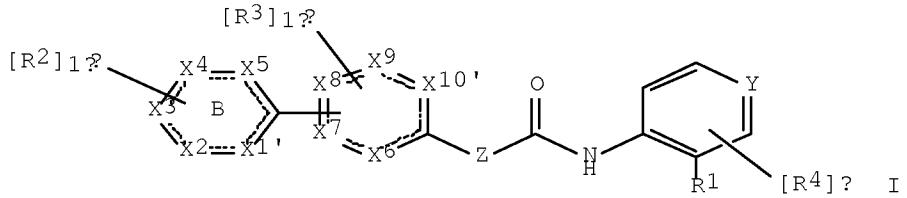


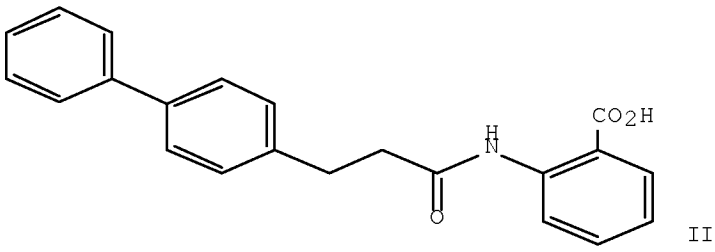
RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 10 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI





AB The invention is related to biaryls I [Y = C, N; Z = C(RaRb)n; Ra, Rb = independently H, alkyl, OH, F, etc.; n = 1-5; R1 = CO2H, 1H-tetrazol-5-yl, CONHSO2Rc; Rc = (un)substituted alkyl, Ph; X10' = (X10)0-1; X1' = (X1)0-1' X1-X10 = C, or a heteroatom selected from O, S, and N, with provisos; each R2 = H, F, Cl, Br, I, alkyl, heterocyclyl, etc.; or two R2 groups taken together can form a fused Ph or fused heterocycle with ring B; each R3 = H, halo, halo/alkyl, halo/alkoxy, etc.; each R4 = H, halo, Me, etc.], as well as pharmaceutically acceptable salts, solvates, as niacin receptor agonists useful for treating atherosclerosis and dyslipidemias in combination with DP antagonists. The invention is also related to the preparation of DP antagonists. Pharmaceutical compns. comprising I are also included. Thus, anthranilide II was prepared by Pd-coupling of 3-(4-iodophenyl)propionic acid with phenylboronic acid, chlorination of biaryl propionic acid (no data) with

SOCl2, and amidation of acyl chloride (no data) with anthranilic acid. I have an EC50 in the functional assay in vitro GTPγS binding assay within the range of about less than 1 μM to as high as about 100 μM. Have an IC50 in the 3H-nicotinic acid competition binding assay within the range of 1 nM to about 25 μM. Selected I do not exhibit measurable in vivo vasodilation in the murine flushing model at doses up to 100 mg/kg or 300 mg/kg in the presence of DP antagonists.

AN 2006:513667 CAPLUS Full-text

DN 145:27731

TI Preparation of biaryl compounds, particularly N-(biarylpropionyl)anthranilides, as niacin receptor agonists and pyridoindolizine derivatives as DP receptor antagonists, their pharmaceutical compositions and their combination useful for treating atherosclerosis and dyslipidemias

IN Colletti, Steven L.; Tata, James R.; Shen, Hong C.; Ding, Fa-Xiang; Frie, Jessica L.; Imbriglio, Jason E.; Chen, Weichun

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 100 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2006057922	A2	20060601	WO 2005-US41962		20051118
	WO 2006057922	A3	20060831			
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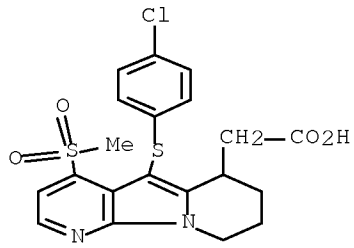
				WO 2005-US41962	W	20051118

OS MARPAT 145:27731

IT 688356-71-0P, [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]a cetic acid 688356-89-0P, [5-[(4-Chlorophenyl)sulfanyl]-4-(methylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-90-3P, [5-[(3,4-Dichlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-95-8P, [5-[(4-Bromophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-06-4P, [10-[(3,4-Dichlorophenyl)sulfanyl]-1-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,4-b]indolizin-9-yl]acetic acid 688357-08-6P, [4-(Methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-09-7P, [5-[(2-Chloro-4-fluorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-10-0P 688357-11-1P 688357-12-2P, [5-[(4-Methylphenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-13-3P, [4-(Methylsulfonyl)-5-(phenylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-14-4P 688357-15-5P , [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[4,3-b]indolizin-6-yl]acetic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(DP receptor antagonist; preparation of biaryl compds. as niacin receptor agonists and pyridoindolizine derivs. as DP receptor antagonists and their combination useful for treating atherosclerosis and dyslipidemias)

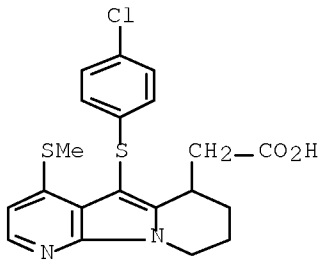
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

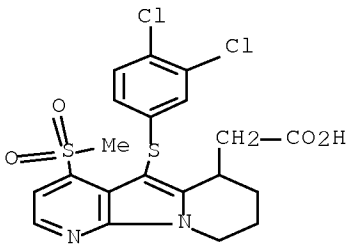


RN 688356-89-0 CAPLUS

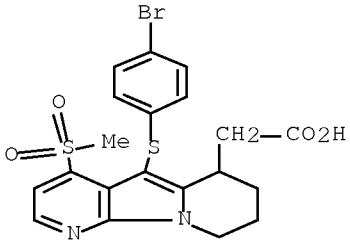
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



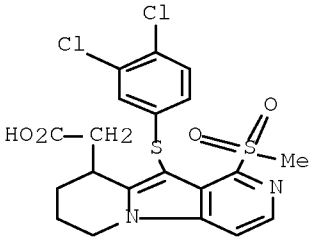
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



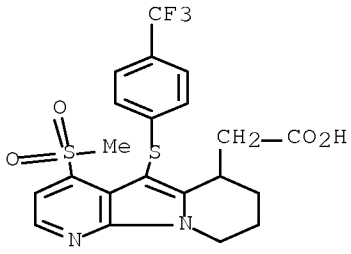
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



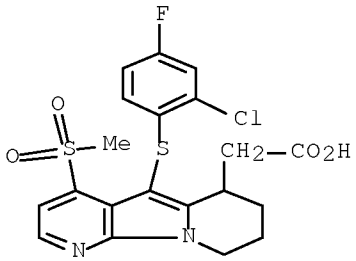
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



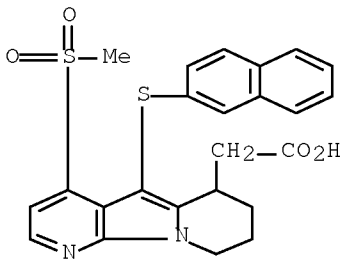
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



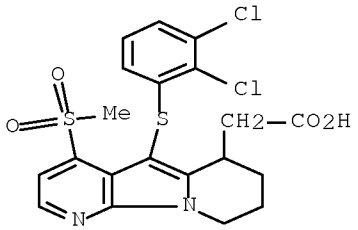
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-12-2 CAPLUS
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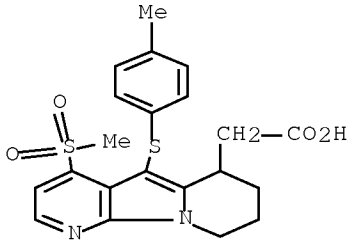
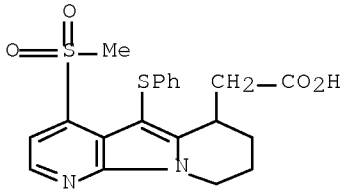
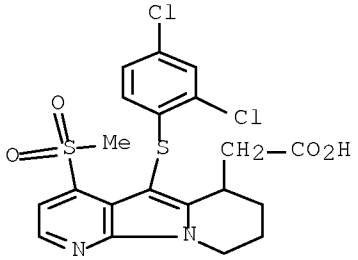


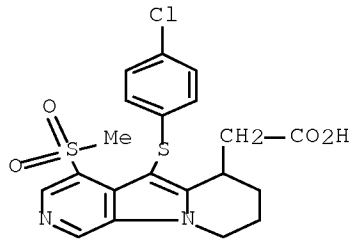
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



L13 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
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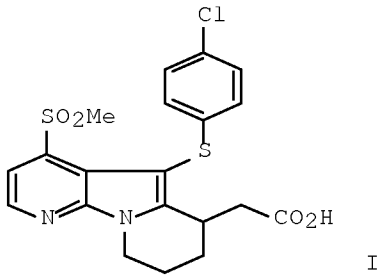

I

AB A method of treating pathol. blushing is disclosed wherein the patient is administered a DP (prostaglandin D2) receptor antagonist. E.g, I was prepared by a series of reactions starting from 4-chloronicotinaldehyde. The compds. prepared function as selective DP antagonists and demonstrate an affinity for DP that is at least about 10 times higher than the affinity for CRTH2 receptors.
AN 2006:471897 CAPLUS Full-text
DN 144:488635
TI Preparation of compounds such as pyridoindolizine and indole derivatives as prostaglandin D2 antagonists for treating pathological blushing
IN Tobert, Jonathan A.; Lai, Eseng
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006052798	A2	20060518	WO 2005-US40117	20051107
WO 2006052798	A3	20070111		

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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OS CASREACT 144:488635

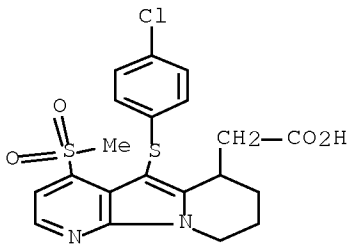
IT 688356-71-0P 688356-89-0P 688356-90-3P 688356-95-8P 688357-06-4P 688357-08-6P 688357-09-7P 688357-10-0P 688357-11-1P 688357-12-2P 688357-13-3P 688357-14-4P 688357-15-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of compds. such as pyridoindolizine and indole derivs. as prostaglandin D2 antagonists for treating pathol. blushing)

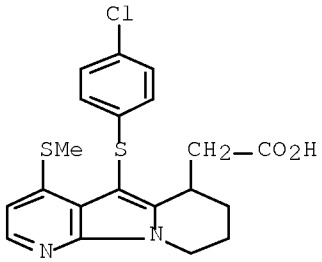
RN 688356-71-0 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

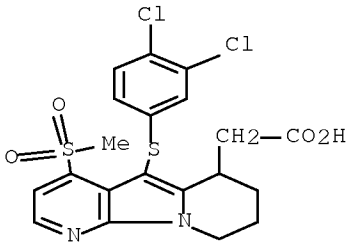


RN 688356-89-0 CAPLUS

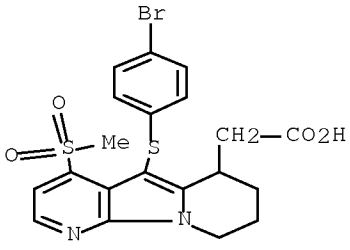
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



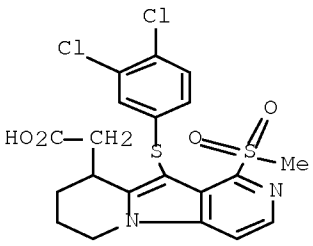
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



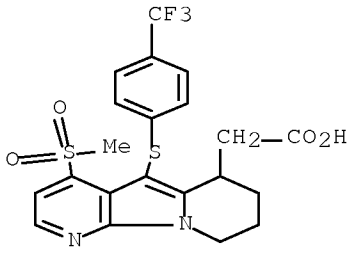
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



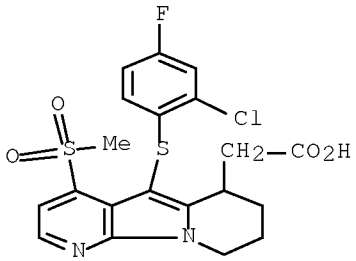
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



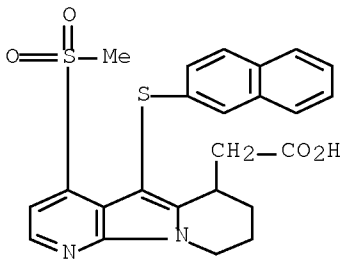
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



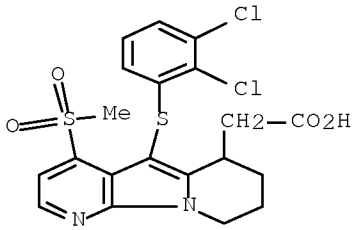
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



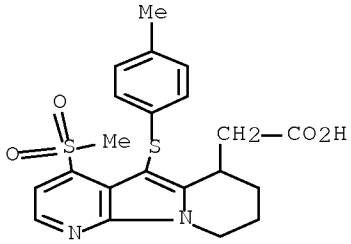
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



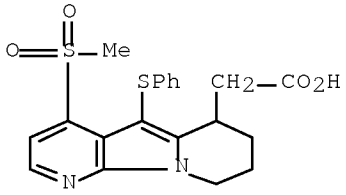
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



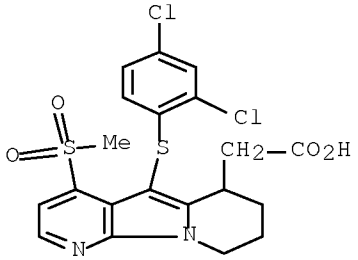
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



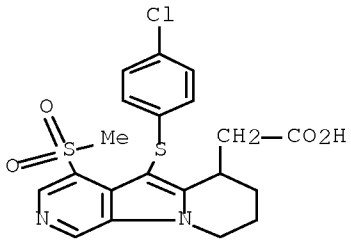
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



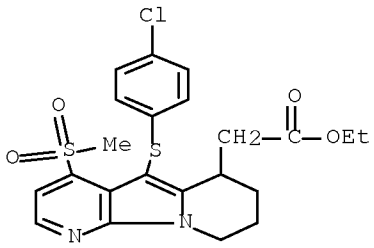
RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

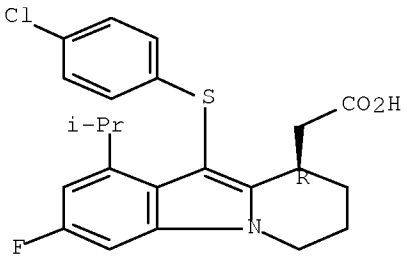


IT 688356-87-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of compds. such as pyridoindolizine and indole derivs. as prostaglandin D2 antagonists for treating pathol. blushing)
RN 688356-87-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, ethyl ester (CA INDEX NAME)



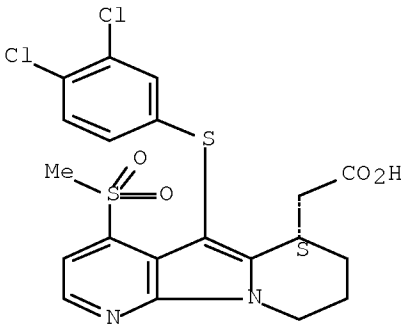
IT 794535-37-8P 887146-39-6P 887146-40-9P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of compds. such as pyridoindolizine and indole derivs. as prostaglandin D2 antagonists for treating pathol. blushing)
RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



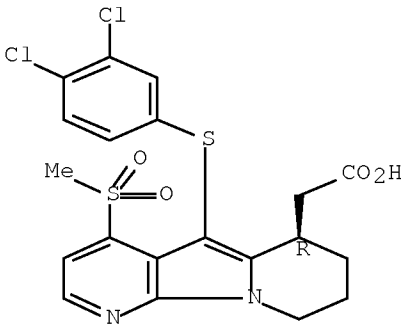
RN 887146-39-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (6S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 887146-40-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (6R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 12 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
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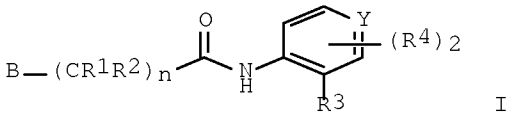

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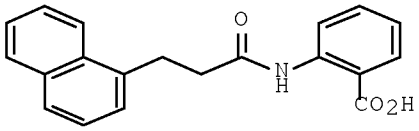

II

AB The invention relates to niacin receptor agonists of formula I; as well as pharmaceutically acceptable salts and solvates. The compds. are useful for treating dyslipidemias, and in particular, reducing serum LDL, VLDL and triglycerides, and raising HDL levels. Pharmaceutical compns. and methods of treatment are also included. Compds. of formula I wherein Y is C or N; R1 and R2 are independently H, (halo)C1-3 alkyl(oxy), OC1-3 alkyl, OH, or F; R3 is Co2H, tetrazolyl, or CONHSO2H and derivs.; R4 is H, halo, or (halo)methyl; B is (un)substituted 10-membered bicyclic aryl, (un)substituted 9- to 10-membered bicyclic heteroaryl, or (un)substituted 12- to 13-membered tricyclic heteroaryl; n is an integer from 1 to 4, such that when (CR1R2)n represent CH(Me)CH2, the ring B is (un)substituted bicyclic aryl; and their pharmaceutically acceptable salts and solvates thereof. Example compound II was prepared by amidation of 3-(1-naphthyl)acrylic acid with Me anthranilate followed by catalytic hydrogenation. All the invention compds. were tested for their niacin receptor affinity. From the assay, it was determined that most of the compds. in general exhibited in vitro EC50 values in the range of about 1 μM to as high as about 100 μM.

AN 2006:469551 CAPLUS Full-text
DN 144:488409

TI N-Acyl anthranilic acid and related compounds as niacin receptor agonists, and their preparation, pharmaceutical compositions and methods of treatment of dyslipidemias

IN Colletti, Steven L.; Beresis, Richard T.; Chen, Weichun; Tata, James R.; Shen, Hong C.; Marley, Daria M.; Deng, Qiaolin; Frie, Jessica L.; Ding, Fa-Xiang
PA Merck & Co., Inc., USA

SO PCT Int. Appl., 125 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006052555	A2	20060518	WO 2005-US39523	20051030
WO 2006052555	A3	20060622		

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CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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OS MARPAT 144:488409

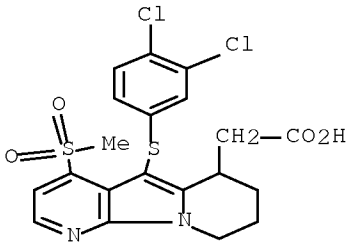
IT 688356-90-3P

RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

(drug candidate; preparation of N-acyl anthranilic acid and related compds. as niacin receptor agonists and their methods of treatment of dyslipidemias)

RN 688356-90-3 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



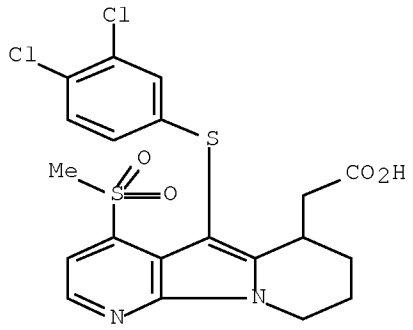
IT 887401-56-1P 887401-57-2P

RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of N-acyl anthranilic acid and related compds. as niacin receptor agonists and their methods of treatment of dyslipidemias)

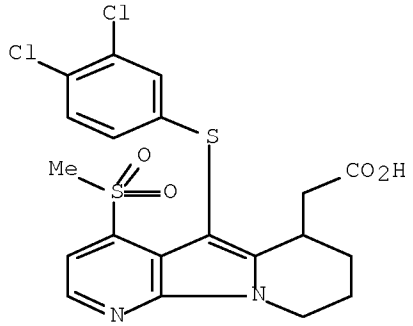
RN 887401-56-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (+)- (CA INDEX NAME)

Rotation (+).



RN 887401-57-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, (-)- (CA INDEX NAME)

Rotation (-).



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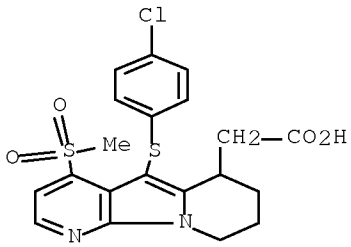
688357-11-1P 688357-12-2P 688357-13-3P
688357-14-4P 688357-15-5P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of N-acyl anthranilic acid and related compds. as niacin receptor agonists and their methods of treatment of dyslipidemias)

RN 688356-71-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



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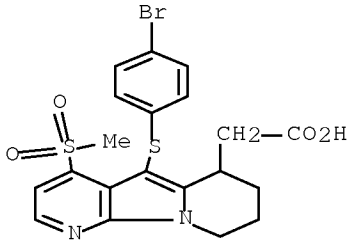
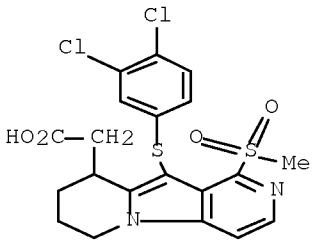
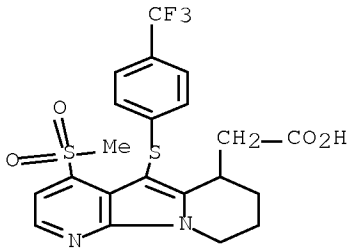


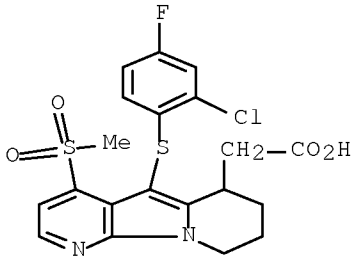
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



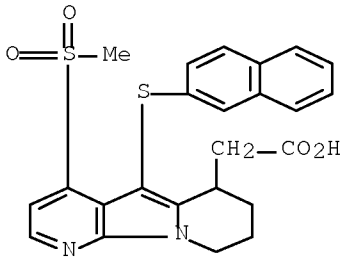
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



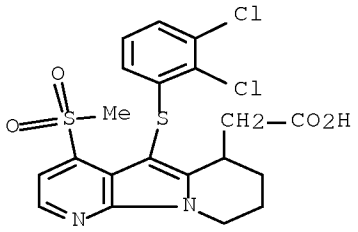
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



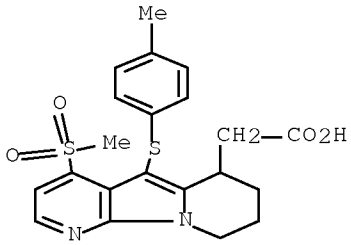
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



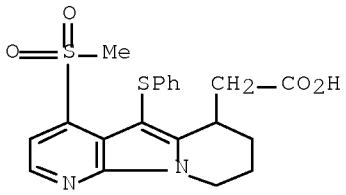
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



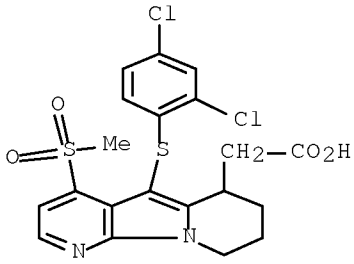
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



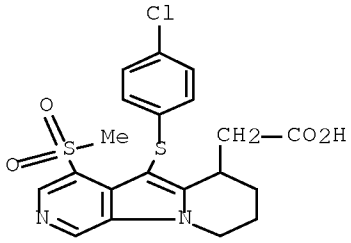
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



L13 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
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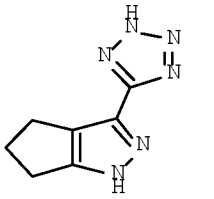

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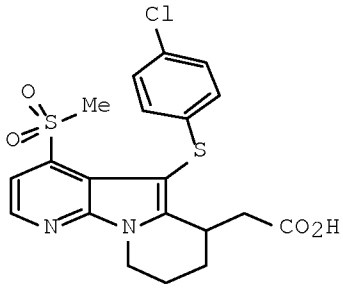

II

AB The invention is related to a method of treating atherosclerosis, dyslipidemia and related conditions wherein a nicotinic acid receptor partial/agonist I, or one of its pharmaceutically acceptable salts or solvates, is administered to a human patient in combination with a DP receptor antagonist, e.g. II, in amts. that are effective for treatment in the absence of substantial flushing. The invention is also related to the preparation of tetrazole I and DP antagonists. Thus, I was prepared by reaction of cyclopentanone with diethylmalonate (no data for the intermediate), followed by cyclization with hydrazine hydrochloride, amidation of the ester with methanolic ammonia, dehydration of the amide, and cyclization of the nitrile with NaN3. An 11-step synthesis was given for pyridoindolizine II (no data for the intermediates). II, and its derivs., having a binding affinity (Ki) for CRTH2 of about ≥ 0.5 μM, and a selectivity for the DP receptor over CRTH2 of at least about 10 fold, are useful to inhibit the flushing effect seen when tetrazole I or its pharmaceutically acceptable salts or solvates are administered alone.

AN 2006:212213 CAPLUS Full-text
DN 144:292761
TI Preparation of 3-(2H-tetrazol-5-yl)-1,4,5,6-tetrahydrocyclopentapyrazole as nicotinic agonist and pyridoindolizine derivatives as DP receptor antagonists , and their combination useful for treating atherosclerosis, dyslipidemias and related conditions
IN Waters, M. Gerard; Turner, Mervyn
PA Merck & Co., Inc., USA
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	WO 2006026273	A2	20060309	WO 2005-US30001	20050824
	WO 2006026273	A3	20060908		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

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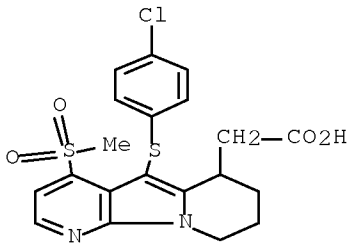
				WO 2005-US30001	W 20050824

OS CASREACT 144:292761

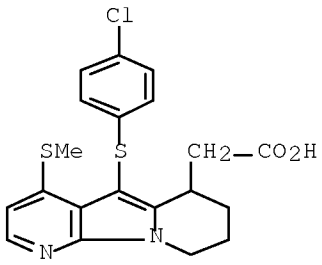
IT 688356-71-0P, [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]a cetic acid 688356-89-0P, [5-[(4-Chlorophenyl)sulfanyl]-4-(methylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-90-3P, [5-[(3,4-Dichlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-95-8P, [5-[(4-Bromophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-06-4P, [10-[(3,4-Dichlorophenyl)sulfanyl]-1-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,4-b]indolizin-9-yl]acetic acid 688357-08-6P, [4-(Methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-09-7P, [5-[(2-Chloro-4-fluorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-10-0P 688357-11-1P 688357-12-2P, [5-[(4-Methylphenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-13-3P, [4-(Methylsulfonyl)-5-(phenylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-14-4P 688357-15-5P , [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[4,3-b]indolizin-6-yl]acetic acid 794535-37-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(DP receptor antagonist; preparation of a nicotinic agonist and DP receptor antagonists, and their combination useful for treating atherosclerosis, dyslipidemias and related conditions)

RN 688356-71-0 CAPLUS

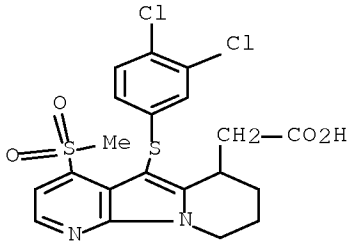
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



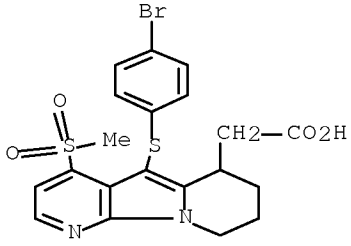
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-06-4 CAPLUS
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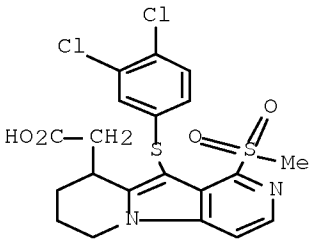
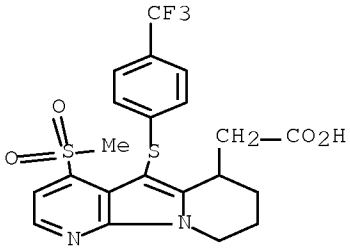
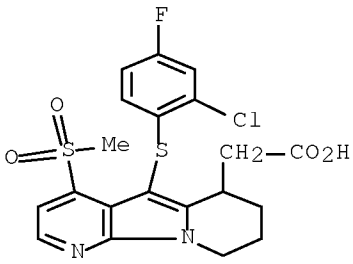


RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
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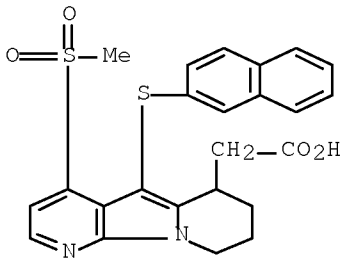
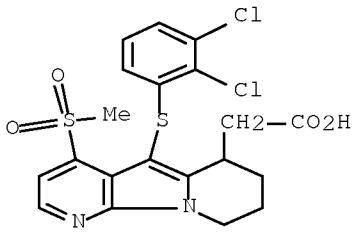
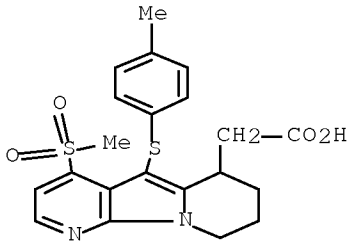


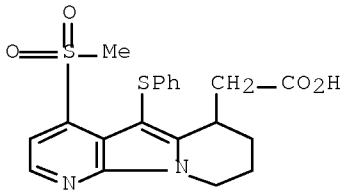
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



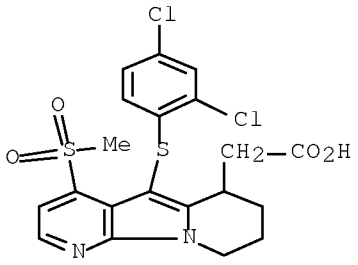
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



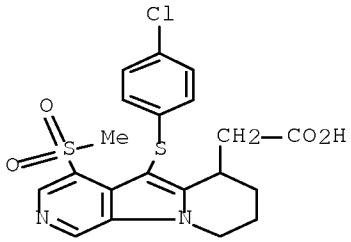
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

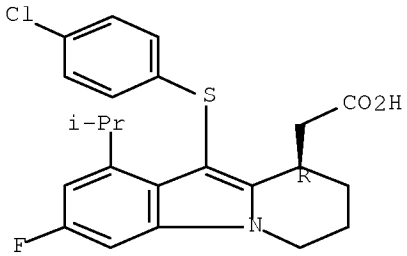


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



L13 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
AB A method of treating atherosclerosis is disclosed wherein nicotinic acid or another nicotinic acid receptor agonist is administered to the patient in combination with a DP receptor antagonist. The DP receptor antagonist is

administered to reduce, prevent or eliminate flushing that may otherwise occur.

AN 2004:999670 CAPLUS Full-text
DN 141:420447
TI Method of treating atherosclerosis, dyslipidemias and related conditions
IN Cheng, Kang; Waters, M. Gerard; Metters, Kathleen M.; O'Neill, Gary
PA USA
SO U.S. Pat. Appl. Publ., 33 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI US 20040229844	A1	20041118	US 2004-844773		20040513
			US 2003-470665P	P	20030515
AU 2004240597	A1	20041202	AU 2004-240597		20040513
			US 2003-470665P	P	20030515
			WO 2004-US14980	W	20040513
CA 2525772	A1	20041202	CA 2004-2525772		20040513
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			WO 2004-US14980	W	20040513
WO 2004103370	A1	20041202	WO 2004-US14980		20040513
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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			WO 2004-US14980	W	20040513
CN 1787819	A	20060614	CN 2004-80012853		20040513
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JP 2006526030	T	20061116	JP 2006-515355		20040513
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			WO 2004-US14980	W	20040513
IN 2005DN04759	A	20071207	IN 2005-DN4759		20051019
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MX 2005PA12272	A	20060519	MX 2005-PA12272		20051114
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KR 806008	B1	20080226	KR 2005-721795		20051115
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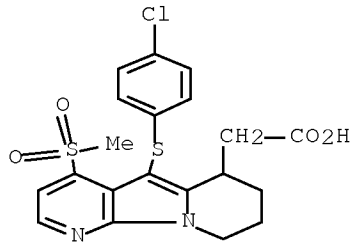
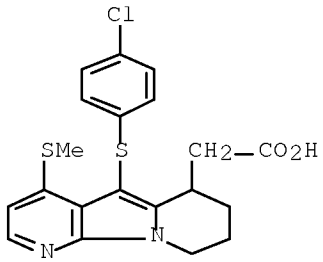
KR 2008003470 A 20080107 KR 2007-729888 20071221
US 2003-470665P P 20030515
WO 2004-US14980 W 20040513
KR 2005-721795 A3 20051115

IT 688356-71-0P 688356-89-0P 688356-90-3P
688356-95-8P 688357-06-4P 688357-08-6P
688357-09-7P 688357-10-0P 688357-11-1P
688357-12-2P 688357-13-3P 688357-14-4P
688357-15-5P 794535-37-8P
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(method of treating atherosclerosis, dyslipidemias and related conditions)

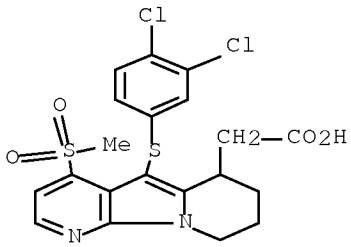
RN 688356-71-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



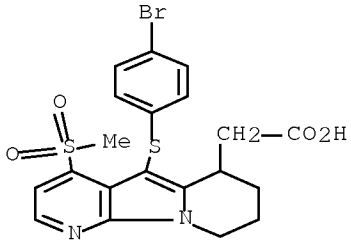
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



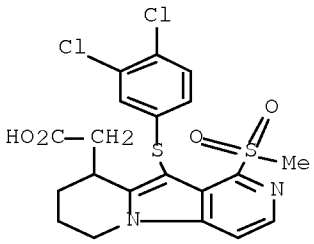
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



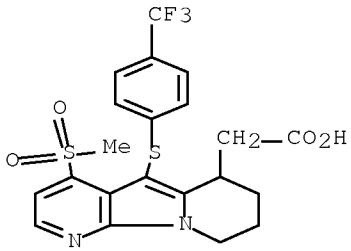
RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



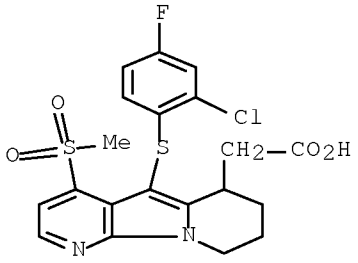
RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



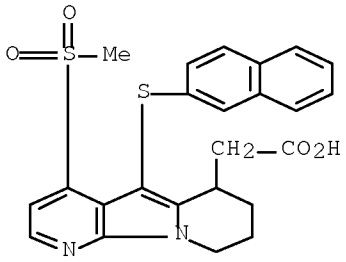
RN 688357-08-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



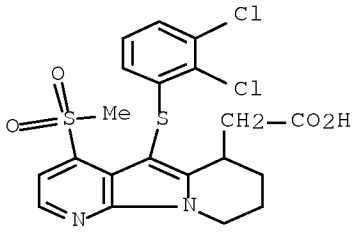
RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



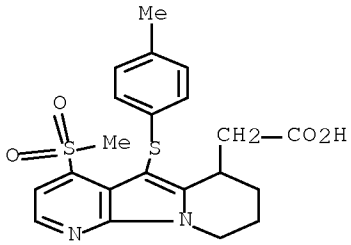
RN 688357-10-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-naphthalenylthio)- (CA INDEX NAME)



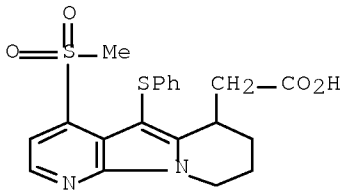
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



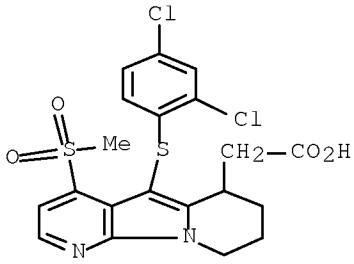
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



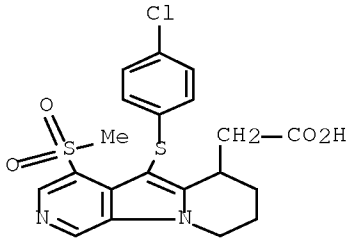
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

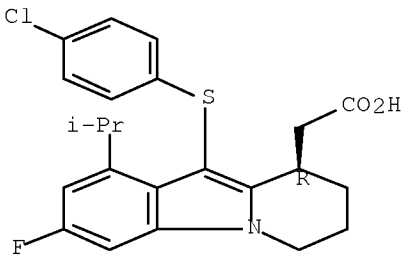


RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

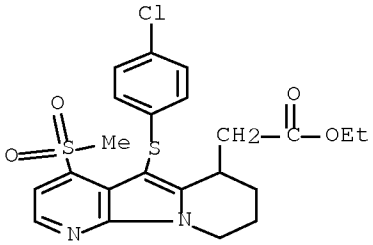


RN 794535-37-8 CAPLUS
CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)-, (9R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 688356-87-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(method of treating atherosclerosis, dyslipidemias and related conditions)
RN 688356-87-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, ethyl ester (CA INDEX NAME)



L13 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [wherein G = O(CH2)1-2, S(CH2)1-2, (un)substituted C1-3alkyl; Ar = hetero/aryl optionally substituted with Rg; Q = CO2H, CONH2 and derivs., SO2NH2 and derivs., SO3H, PO3H2 and tetrazolyl; one of A, B, C, or D is N and the others are independently selected from CH and CRg; E = (CH2)a-X-(CH2)b, phenylene, cycloalkylidene, cycloalkylene, etc.; a, b = 0-1, X = a bond, O, S, NH and derivs., etc.; F = (CH2)m and derivs., CH:CH and derivs.; m = 1-3; R1 = H, CN, OH and derivs., (un)substituted alkyl, etc.; R2 = H, alkyl optionally substituted with 1-6 halogens; R1R2 = oxo; or R1R2 = (un)substituted 3- or 4-membered ring, optionally containing 1 heteroatom; R3 = H, (un)substituted alkyl; Rg = halo, CN, CHO, CO2H and derivs., CONH2 and derivs., NH2 and

derivs., NO2, alkoxy, OCONH2 and derivs., SO2-alkyl, (un)substituted alk/en/yl, etc.] were prepared as prostaglandin receptor, in particular PGD2, antagonists useful for the treatment of prostaglandin-mediated diseases such as allergic rhinitis, nasal congestion and asthma (no data). Six biol. assays are given (no data). Thus, reaction of II (preparation given) with a mixture of bis(3,4-dichlorophenyl)disulfide, SO2Cl2, 1,2-dichloroethane, followed by hydrolysis gave the pyridoindolizinyl acid III.

AN 2004:390250 CAPLUS Full-text

DN 140:406734

TI Preparation of pyridopyrrolizines and pyridoindolizines as prostaglandin receptor, in particular PGD2, antagonists

IN Leblanc, Yves; Dufresne, Claude; Roy, Patrick

PA Merck Frosst Canada & Co., Can.

SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004039807	A1	20040513	WO 2003-CA1658	20031028
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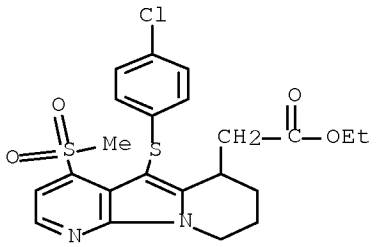
OS MARPAT 140:406734

IT 688356-87-8, Ethyl 2-[5-[(4-chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetate
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyridopyrrolizines and pyridoindolizines as prostaglandin D2 receptor antagonists)

RN 688356-87-8 CAPLUS

CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)-, ethyl ester (CA INDEX NAME)



IT 688356-71-0P, [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-89-0P, [5-[(4-Chlorophenyl)thio]-4-(methylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-90-3P, [5-[(3,4-Dichlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688356-95-8P, [5-[(4-Bromophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-06-4P 688357-08-6P 688357-09-7P 688357-10-0P 688357-11-1P 688357-12-2P, [5-[(4-Methylphenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-13-3P, [4-(Methylsulfonyl)-5-(phenylthio)-6,7,8,9-tetrahydropyrido[3,2-b]indolizin-6-yl]acetic acid 688357-14-4P 688357-15-5P , [5-[(4-Chlorophenyl)thio]-4-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[4,3-b]indolizin-6-yl]acetic acid 688357-29-1P 688357-30-4P 688357-31-5P 688357-32-6P 688357-33-7P 688357-34-8P 688357-35-9P 688357-36-0P 688357-37-1P 688357-38-2P 688357-39-3P 688357-40-6P 688357-41-7P 688357-42-8P 688357-43-9P 688357-44-0P 688357-45-1P 688357-58-6P 688357-59-7P 688357-60-0P 688357-61-1P 688357-62-2P 688357-63-3P 688357-64-4P 688357-67-7P

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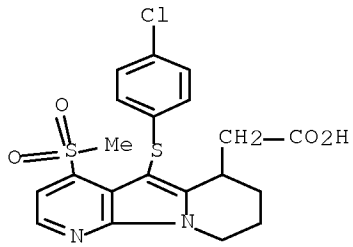
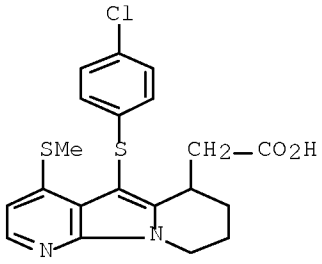
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prostaglandin D2 receptor antagonist; preparation of pyridopyrrolizines and pyridoindolizines as prostaglandin D2 receptor antagonists)

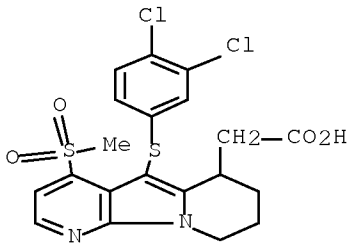
RN 688356-71-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



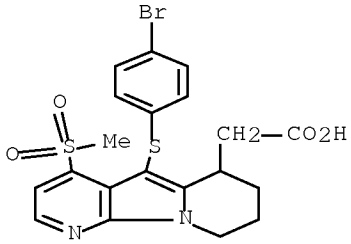
RN 688356-89-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylthio)- (CA INDEX NAME)



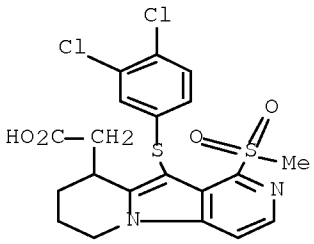
RN 688356-90-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688356-95-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-06-4 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



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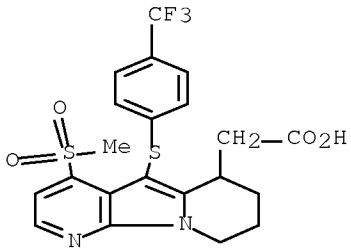
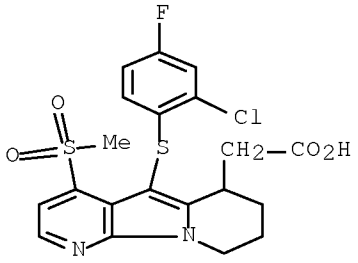
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



RN 688357-09-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-10-0 CAPLUS
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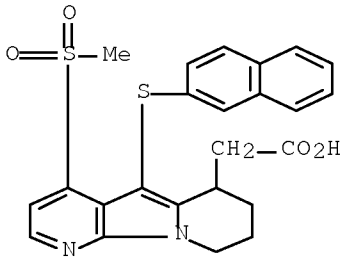
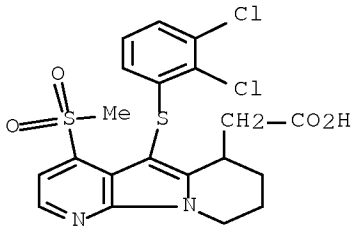
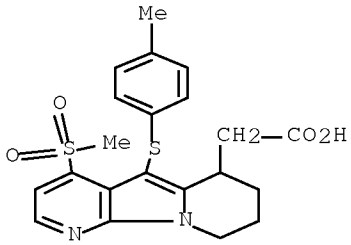


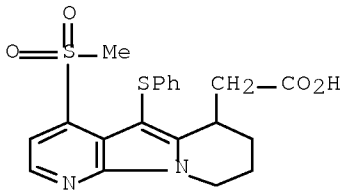
RN 688357-11-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



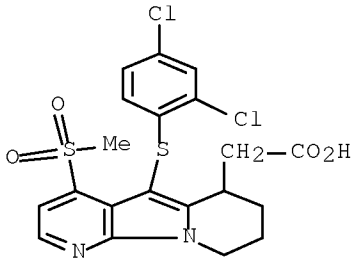
RN 688357-12-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]-4-(methylsulfonyl)- (CA INDEX NAME)



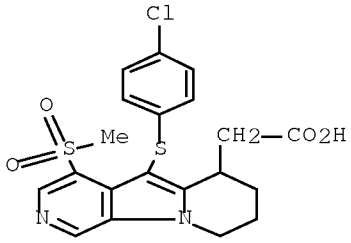
RN 688357-13-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(phenylthio)- (CA INDEX NAME)



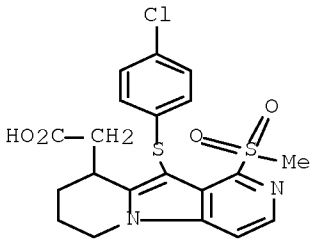
RN 688357-14-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



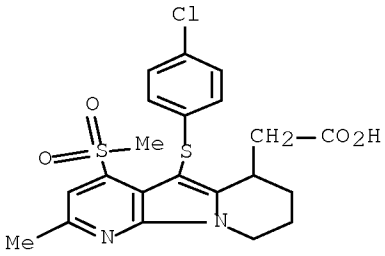
RN 688357-15-5 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-29-1 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-30-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-2-methyl-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-31-5 CAPLUS
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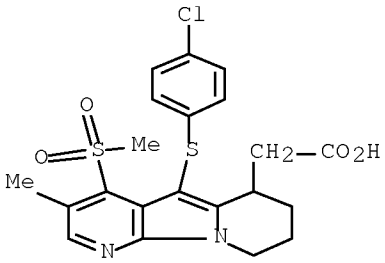
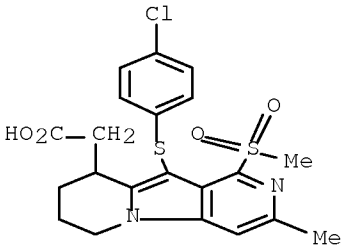
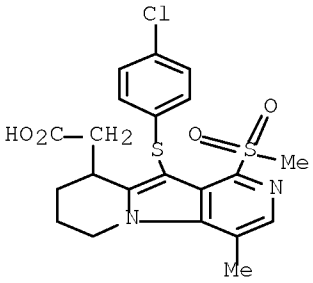


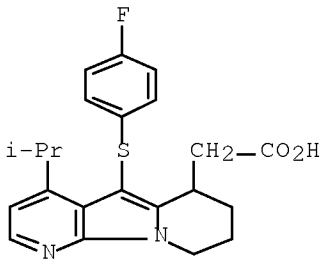
RN 688357-32-6 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-3-methyl-1-(methylsulfonyl)- (CA INDEX NAME)



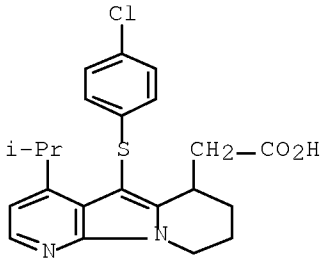
RN 688357-33-7 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-methyl-1-(methylsulfonyl)- (CA INDEX NAME)



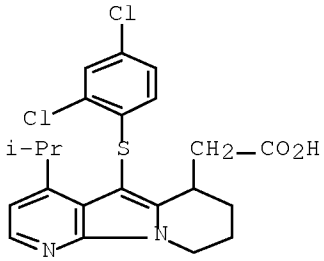
RN 688357-34-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



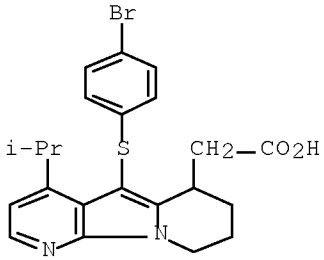
RN 688357-35-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



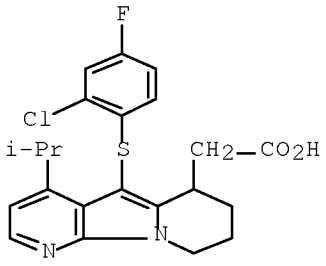
RN 688357-36-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



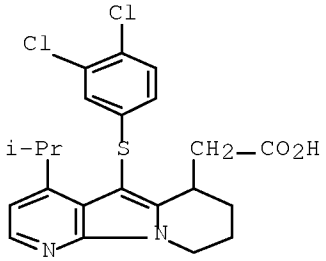
RN 688357-37-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



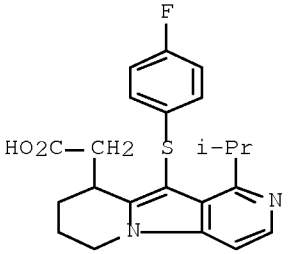
RN 688357-38-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



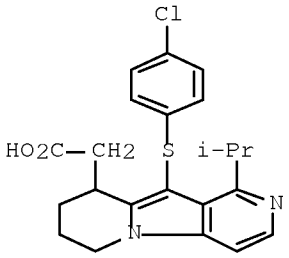
RN 688357-39-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



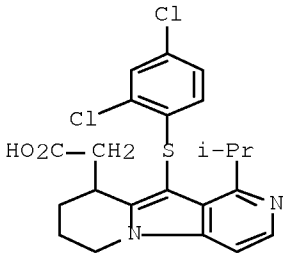
RN 688357-40-6 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-fluorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



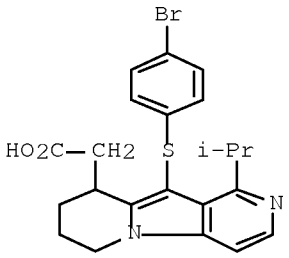
RN 688357-41-7 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



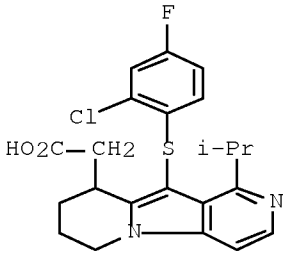
RN 688357-42-8 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



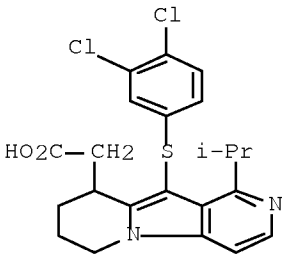
RN 688357-43-9 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



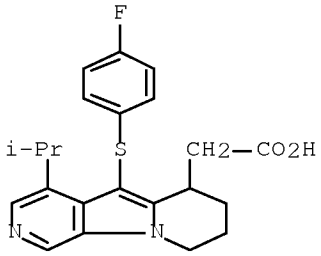
RN 688357-44-0 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



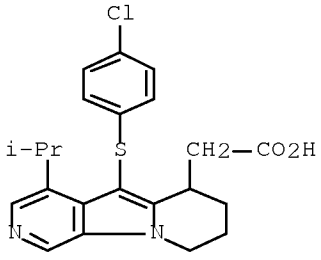
RN 688357-45-1 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



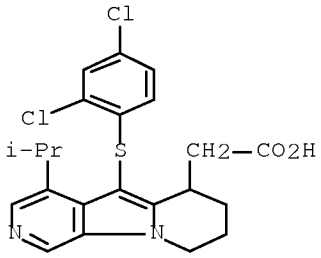
RN 688357-58-6 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



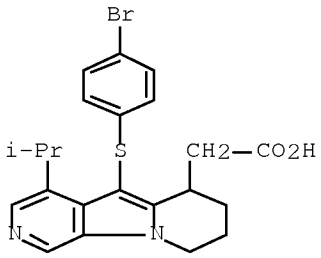
RN 688357-59-7 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



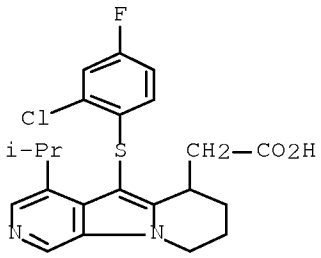
RN 688357-60-0 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



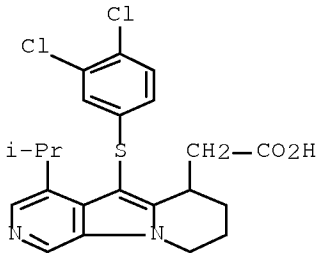
RN 688357-61-1 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



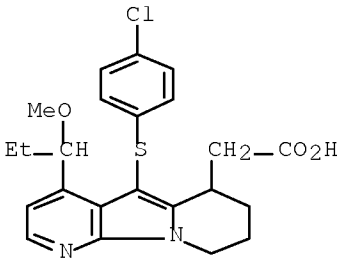
RN 688357-62-2 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



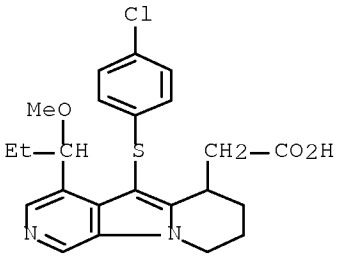
RN 688357-63-3 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methylethyl)- (CA INDEX NAME)



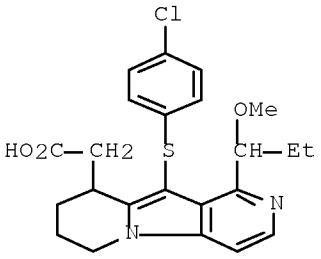
RN 688357-64-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methoxypropyl)- (CA INDEX NAME)



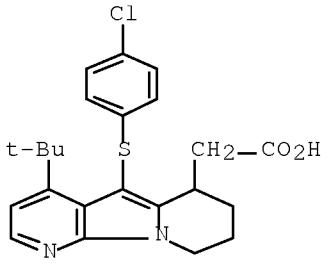
RN 688357-67-7 CAPLUS
CN Pyrido[4,3-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-4-(1-methoxypropyl)- (CA INDEX NAME)



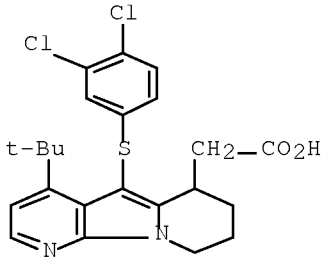
RN 688357-68-8 CAPLUS
CN Pyrido[3,4-b]indolizine-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-1-(1-methoxypropyl)- (CA INDEX NAME)



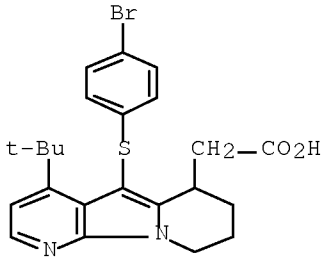
RN 688357-70-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-chlorophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)



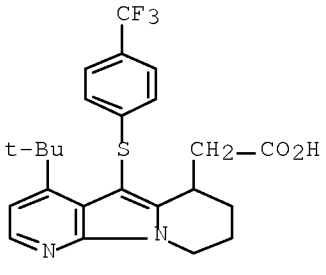
RN 688357-71-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(3,4-dichlorophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)



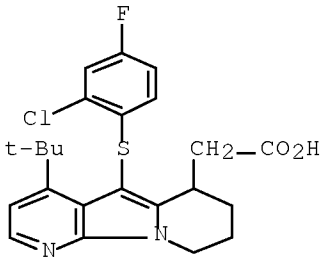
RN 688357-72-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(4-bromophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)



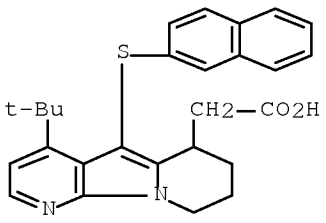
RN 688357-73-5 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro-5-[[4-(trifluoromethyl)phenyl]thio]- (CA INDEX NAME)



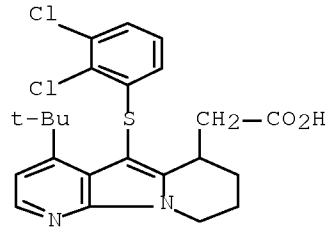
RN 688357-74-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2-chloro-4-fluorophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)



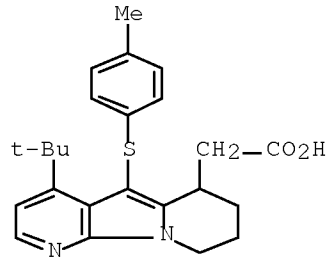
RN 688357-75-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro-5-(2-naphthalenylthio)- (CA INDEX NAME)



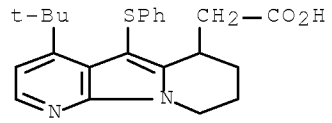
RN 688357-76-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,3-dichlorophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)



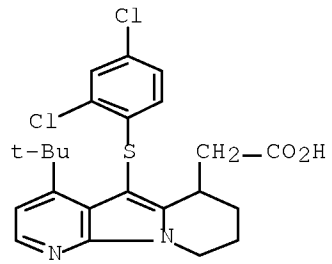
RN 688357-77-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro-5-[(4-methylphenyl)thio]- (CA INDEX NAME)



RN 688357-78-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro-5-(phenylthio)- (CA INDEX NAME)

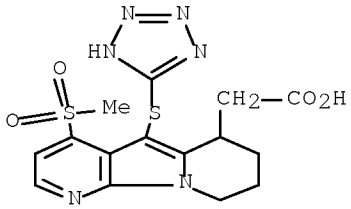


RN 688357-79-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,4-dichlorophenyl)thio]-4-(1,1-dimethylethyl)-6,7,8,9-tetrahydro- (CA INDEX NAME)

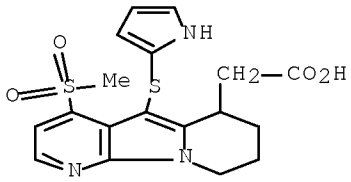


RN 688357-80-4 CAPLUS

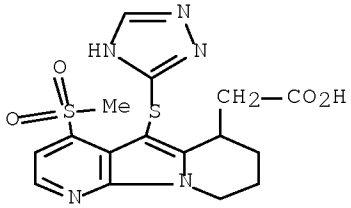
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2H-tetrazol-5-ylthio)- (CA INDEX NAME)



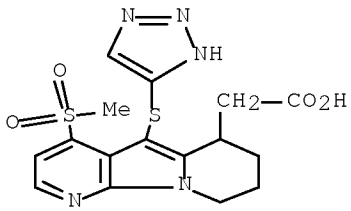
RN 688357-81-5 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1H-pyrrol-2-ylthio)- (CA INDEX NAME)



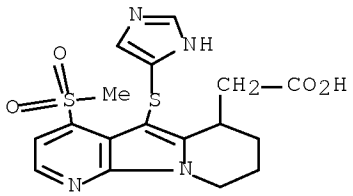
RN 688357-82-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1H-1,2,4-triazol-5-ylthio)- (CA INDEX NAME)



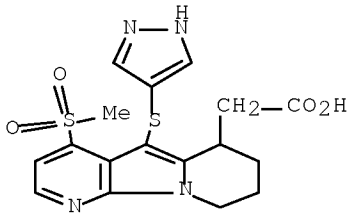
RN 688357-83-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1H-1,2,3-triazol-5-ylthio)- (CA INDEX NAME)



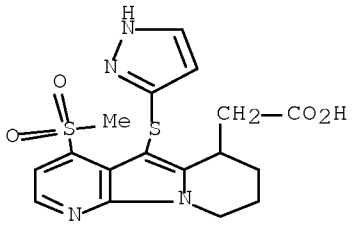
RN 688357-85-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-(1H-imidazol-5-ylthio)-4-(methylsulfonyl)- (CA INDEX NAME)



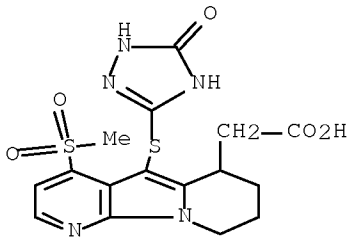
RN 688357-86-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1H-pyrazol-4-ylthio)- (CA INDEX NAME)



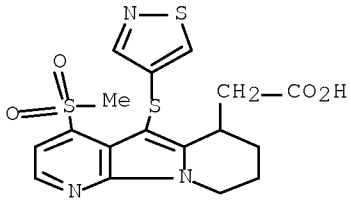
RN 688357-87-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1H-pyrazol-3-ylthio)- (CA INDEX NAME)



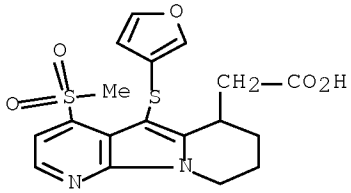
RN 688357-88-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,5-dihydro-5-oxo-1H-1,2,4-triazol-3-yl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



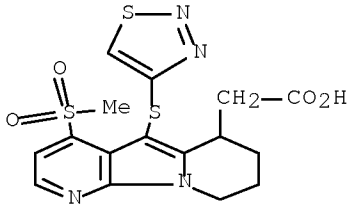
RN 688357-89-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-(4-isothiazolylthio)-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688357-90-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(3-furanylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

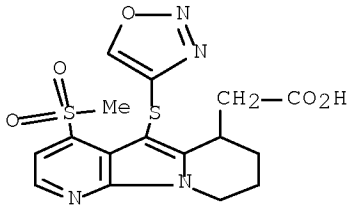


RN 688357-91-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1,2,3-thiadiazol-4-ylthio)- (CA INDEX NAME)

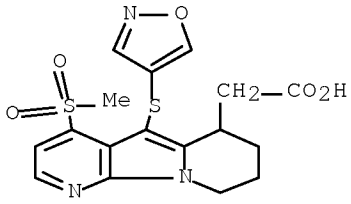


RN 688357-92-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-

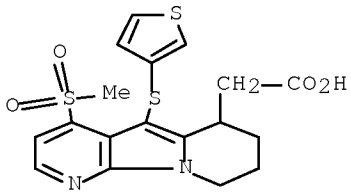
(methylsulfonyl)-5-(1,2,3-oxadiazol-4-ylthio)- (CA INDEX NAME)



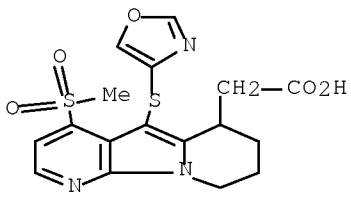
RN 688357-93-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-(4-isoxazolylthio)-4-(methylsulfonyl)- (CA INDEX NAME)



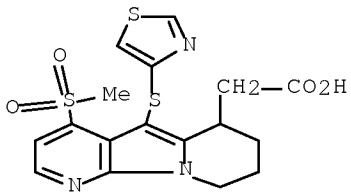
RN 688357-94-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(3-thienylthio)- (CA INDEX NAME)



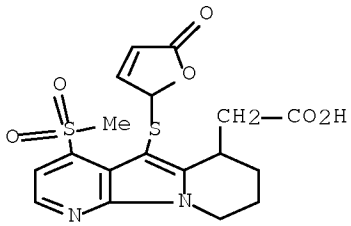
RN 688357-95-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(4-oxazolylthio)- (CA INDEX NAME)



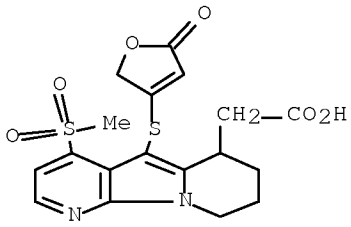
RN 688357-96-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(4-thiazolylthio)- (CA INDEX NAME)



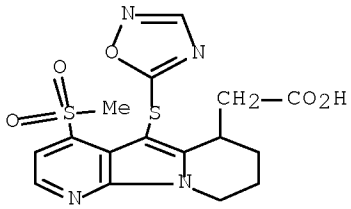
RN 688357-97-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,5-dihydro-5-oxo-2-furanyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



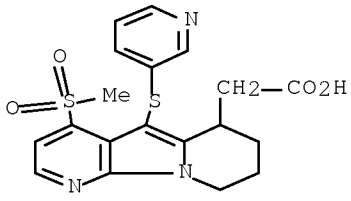
RN 688357-98-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-[(2,5-dihydro-5-oxo-3-furanyl)thio]-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



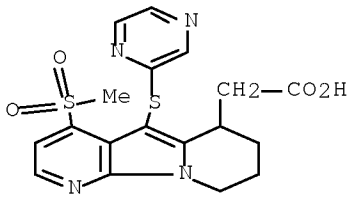
RN 688357-99-5 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(1,2,4-oxadiazol-5-ylthio)- (CA INDEX NAME)



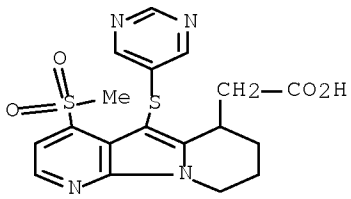
RN 688358-00-1 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(3-pyridinylthio)- (CA INDEX NAME)



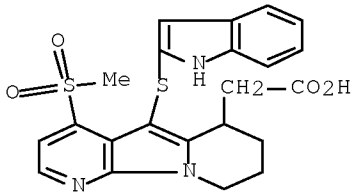
RN 688358-01-2 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-pyrazinylthio)- (CA INDEX NAME)



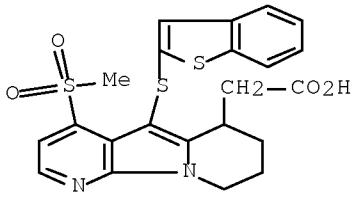
RN 688358-02-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(5-pyrimidinylthio)- (CA INDEX NAME)



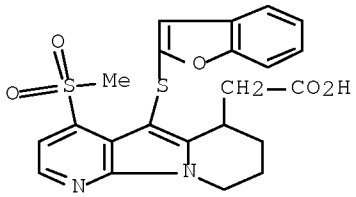
RN 688358-03-4 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-5-(1H-indol-2-ylthio)-4-(methylsulfonyl)- (CA INDEX NAME)



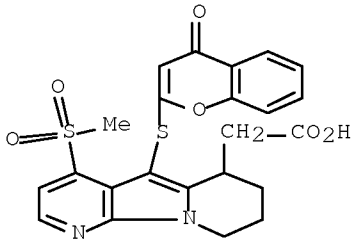
RN 688358-04-5 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(benzo[b]thien-2-ylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



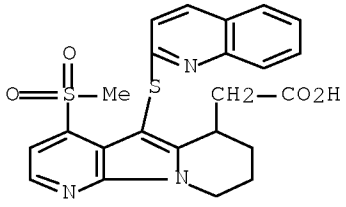
RN 688358-05-6 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(2-benzofuranylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



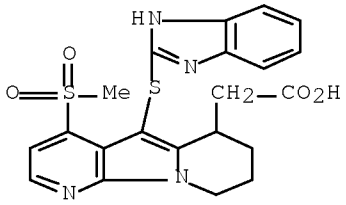
RN 688358-06-7 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-[(4-oxo-4H-1-benzopyran-2-yl)thio]- (CA INDEX NAME)



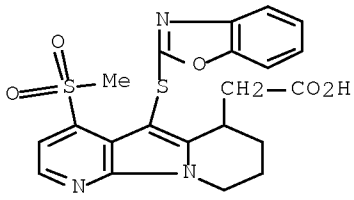
RN 688358-07-8 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(2-quinolinylthio)- (CA INDEX NAME)



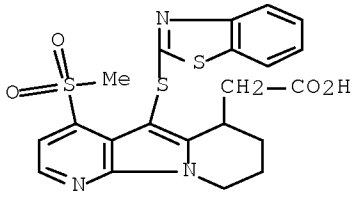
RN 688358-08-9 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(1H-benzimidazol-2-ylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



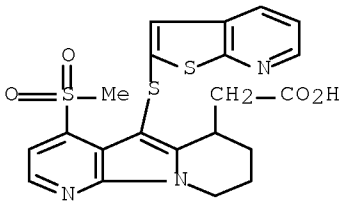
RN 688358-09-0 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(2-benzoxazolylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)



RN 688358-10-3 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 5-(2-benzothiazolylthio)-6,7,8,9-tetrahydro-4-(methylsulfonyl)- (CA INDEX NAME)

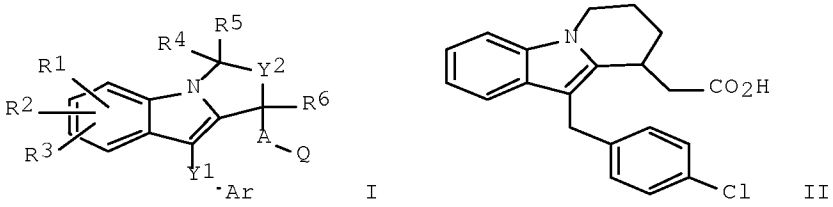


RN 688358-12-5 CAPLUS
CN Pyrido[3,2-b]indolizine-6-acetic acid, 6,7,8,9-tetrahydro-4-(methylsulfonyl)-5-(thieno[2,3-b]pyridin-2-ylthio)- (CA INDEX NAME)



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 16 OF 16 CAPLUS COPYRIGHT 2008 ACS on STN
GI



AB Title compds. I [wherein R1, R2, and R3 = independently H, halo, CN, CORa, CO2Ra, CONRaRb, OCONRaRb, SO0-2-(hetero)aryl, NRaSO0-2Rb, NRaRb, NRaCORb, NRaCO2Rb, NRaCONRaRb, SO0-2NRaRb, NO2, cycloalkenyl, or (un)substituted alkyl, alkenyl, alkoxy, heterocyclyl, (hetero)aryl(oxy), or SO0-2-alkyl; Ra and Rb = independently H or (un)substituted alkyl, alkenyl, alkynyl, heterocyclyl, or (hetero)aryl; or NRaRb = heterocyclyl; R4 = H, CN, (halo)alkyl, ORa, or SO0-2-alkyl; R5 = H or (halo)alkyl; or CR4R5 = (un)substituted 3- or 4-membered (hetero)cycloalkyl; R6 = H or (un)substituted alkyl; Ar = (un)substituted (hetero)aryl; A = (un)substituted alkyl; Q = CO2H, CONRaRb, CONHSO2Rc, SO2NHRa, SO2NHRa, SO3H, PO3H2, or tetrazolyl; Rc = (un)substituted alkyl; Y1 = (un)substituted alkylidene optionally interrupted by O, S, NRa, CO, OCO, etc.; Y2 = (un)substituted methylene, ethylene, or ethenylene; and pharmaceutically acceptable salts and hydrates thereof] were prepared as non-steroidal D2 prostaglandin receptor antagonists (no data). For example, 4-[2-bromo-3-(4-chlorobenzyl)-1H-1-indolyl]butanal (4-step preparation given) was coupled with (carbethoxymethylene)triphenylphosphorane to give the Et (E)-2-hexenoate. Cyclization using Bu4NCl, TEA, and Pd(AcO)2 in DMF afforded Et 2-[10-(4-chlorobenzyl)-6,7,8,9-tetrahydropyrido[1,2- a]indol-9-yliden]acetate. Reduction with Pd/C (5%, weight/weight) followed by saponification with LiOH in MeOH provided II. I are useful for the treatment of prostaglandin-mediated diseases such as allergic rhinitis, nasal congestion, and asthma (no data).
AN 2002:906233 CAPLUS Full-text

DN 138:4518
TI Preparation of dihydropyrrolo[1,2-a]indole and tetrahydropyrido[1,2-a]indole derivatives as prostaglandin D2 receptor antagonists for treatment of allergic rhinitis, nasal congestion, and asthma
IN Wang, Zhaoyin; Dufresne, Claude; Guay, Daniel; Leblanc, Yves
PA Merck Frosst Canada & Co., Can.; Beaulieu, Christian
SO PCT Int. Appl., 225 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2002094830	A2	20021128	WO 2002-CA745		20020522
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	AU 2002302248	A1	20021203	AU 2002-302248		20020522
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				WO 2002-CA745	W	20020522
	EP 1395590	A2	20040310	EP 2002-729708		20020522
	EP 1395590	B1	20060927			
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	US 7144913	B2	20061205			
				US 2001-293077P	P	20010523
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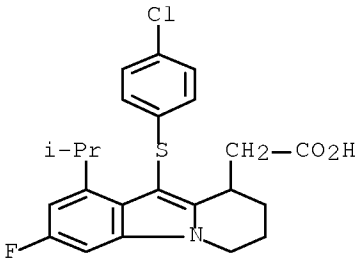
OS MARPAT 138:4518
IT 476620-31-2P, [10-[(4-Chlorophenyl)thio]-3-fluoro-1-isopropyl-6,7,8,9-tetrahydropyrido[1,2-a]indol-9-yl]acetic acid 476620-37-8P, [10-[(4-Chlorophenyl)thio]-3-fluoro-1-(methylsulfonyl)-6,7,8,9-tetrahydropyrido[1,2-a]indol-9-yl]acetic acid 476620-75-4P 476620-81-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prostaglandin D2 receptor antagonist; preparation of pyrroloindole and

pyridoindole prostaglandin D2 receptor antagonists by cyclization of (indolyl)alkanoates and (indolyl)alkenoates)

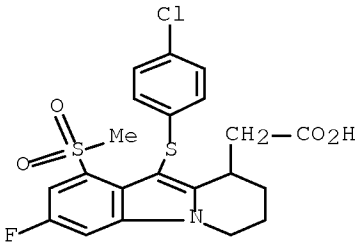
RN 476620-31-2 CAPLUS

CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



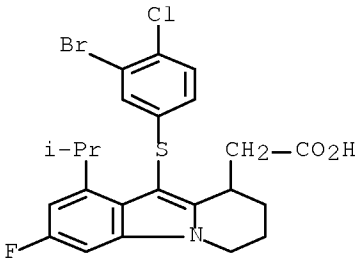
RN 476620-37-8 CAPLUS

CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(methylsulfonyl)- (CA INDEX NAME)



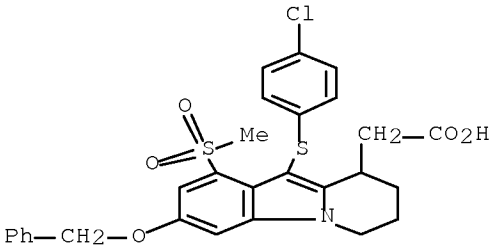
RN 476620-75-4 CAPLUS

CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(3-bromo-4-chlorophenyl)thio]-3-fluoro-6,7,8,9-tetrahydro-1-(1-methylethyl)- (CA INDEX NAME)



RN 476620-81-2 CAPLUS

CN Pyrido[1,2-a]indole-9-acetic acid, 10-[(4-chlorophenyl)thio]-6,7,8,9-tetrahydro-1-(methylsulfonyl)-3-(phenylmethoxy)- (CA INDEX NAME)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Me
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N
Ph—CH2—O